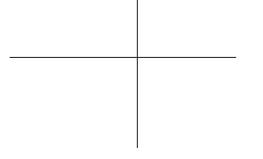
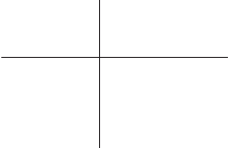


VISVA-BHARATI

Annual Report 2016-2017

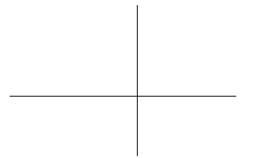
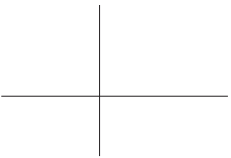


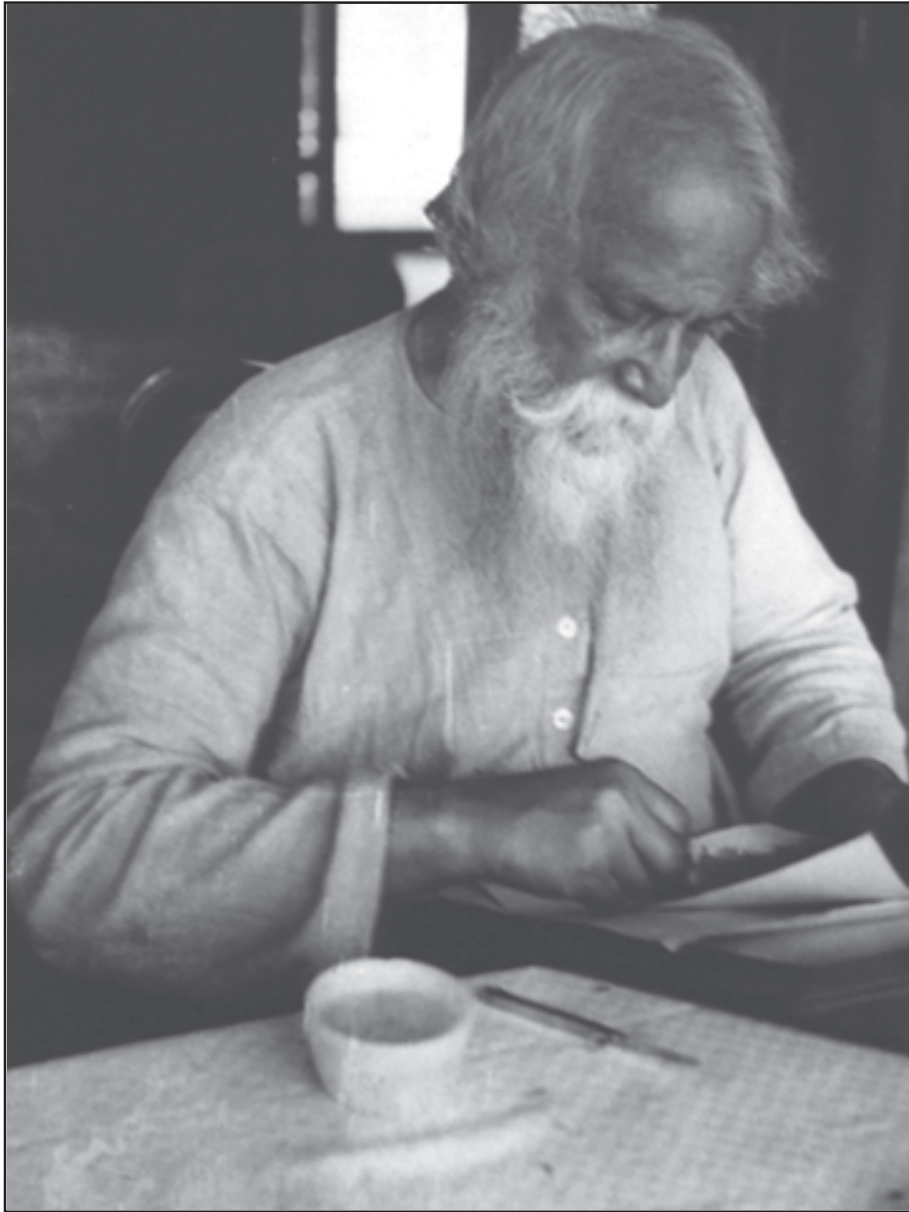
Santiniketan
2017



॥ यत्र विश्वं भवत्येकनीडम् ॥

YATRA VISVAM BHAVATYEKANIDAM
(Where the World makes its home in a single nest)





“ Visva-Bharati represents India where she has her wealth of mind which is for all. Visva-Bharati acknowledges India's obligation to offer to others the hospitality of her best culture and India's right to accept from others their best ” -*Rabindranath Tagore*

आचार्य
श्री नरेंद्र मोदी
ACHARYA (CHANCELLOR)
SHRI NARENDRA MODI
उपाचार्य
प्रो. स्वपन कु. दत्ता
UPACHARYA (VICE-CHANCELLOR) (Offig.)
PROF. SWAPAN K. DATTA

विश्वभारती
VISVA-BHARATI
(Established by the Parliament of India under
Visva-Bharati Act XXIX of 1951
Vide Notification No. : 40-5/60 G.3 Dt. 14 May, 1951)

संस्थापक
रवीन्द्रनाथ ठाकुर
FOUNDED BY
RABINDRANATH TAGORE



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सं./No. _____

दिनांक/Date _____

FOREWORD

I am honoured to present the Visva-Bharati Annual Report which include academic output and related activities / achievements during the period 2016-17.

Visva-Bharati established in 1951, a 'Central University and an Institute of National Importance', founded by Gurudev Rabindranath Tagore which has been engaged in promoting humanism and world's knowledge and civilizations in a single nest over years. The Annual Report is an indicator of the resources of Visva-Bharati and the various activities of its constituent bodies.

Towards the first step to honour the Hon'ble Prime Minister's Demonetisation announcement and subsequent announcement of Hon'ble HRD Minister's cashless transactions, Visva-Bharati initiated Vittiya Saksharata Abhiyan(VISAKA). Visva-Bharati has been ranked 10th among 3500 institutions in the VISAKA Cashless Drive.

Visva-Bharati is moving steadily towards digitization in academic and administrative ventures. The University in accordance with UGC's SWAYAM Regulation 2016 is considering to offer online courses. The University is planning to offer MOOCs in Rabindra Sangit, Bangla, Chinese, Japanese and other courses soon.

Yoga Education will start in Visva-Bharati for Bachelors, Masters and Ph.D. courses as designed by the Ministry of AYUSH from the Academic Session (2017-18).

A new Sankardeva Chair is to be launched to expand studies in Assamese and Vaishnava Culture with the assistance of the Government of Assam.

Visva-Bharati has been a pioneer in experimenting with the teaching learning process. From a very basic level the *prakriti charcha* (nature study) has been a part of the curriculum. Extensive field work, with the adoption of 50 villages, provide a unique opportunity for students of agriculture and social work. Rigorous and frequent workshops in the performing arts continuously bring a dimension of creativity in the teaching learning process at Kala Bhavana and Sangeet Bhavana.

Numerous projects including UGC, DST projects, ICAR Research projects, UGC-UKIERI Projects have been initiated and completed. A number of Memorandum of Understandings (MOU) have been signed with global Universities promoting exchange of faculty and students including China, Japan, Spain, Mauritius, Australia and Switzerland. A strong emphasis on interdisciplinary research is encouraged.

The University has regularly mobilized its students, faculty, NSS volunteers to participate in the **Swachh Bharat Abhiyan, EK Bharat Shreshth Bharat and Unnat Bharat Abhiyan**

The movement towards seamless administrative networking and Central Public Procurement Portal(GEM) is under process and will be a landmark administrative reform.

This is my 2nd year serving Visva-Bharati, a great institution as officiating Vice-Chancellor, I place on record my sincere gratitude to the members of the Executive Council and staff for their enormous help and guidance.


Swapan Kumar Datta

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Chapter - I

From Bharmacharyashrama to Visva-Bharati: A Chronicle of Metamorphosis of a Tiny School into an Internationally-Acclaimed Centre of Learning

Visva-Bharati which epitomizes culmination of Asia's first Nobel Laureate poet Rabindranath Tagore's dream of an institution, slated to deliver holistic education, as preached in the *Upanisadas* (that which emancipates is knowledge) had a very modest beginning. In 1863, Debendranath Tagore, the poet's father and a herbringer of nineteenth century Bengal Renaissance took the users right of 20 bighas of land at an early land rent of twenty rupees in the arid soil of the district of Birbhum and established the Santiniketan Ashrama. In 1888, he executed a Trust Deed for the management of the Ashrama and dedicated it for the purpose of meditation.

Thoroughly averse to the-then education system and its mode of teaching which he considered mechanical, soulless and uninspiring, Rabindranath established a school, viz. Santiniketan Brahmacharyashrama on 23rd December, 1901 with five students with the avowed objective of providing, as reported by the Visva-Bharati Bulletin of January, 1924:

“to a limited number of children an education which would not be divorced from life, where pupils would become members of a larger family and regard the affairs of the institution as their own, and where they would live and grow in an atmosphere of freedom, mutual trust and happiness.”

In conscious repudiation of the education system introduced by the British hegemony which harped on producing a group of stupefied clerks, bent on making British Raj unrivalled, Rabindranath introduced a new system of reading-learning where classes were held in open air, where man and nature enter into an immediate harmonious relationship. Twenty years later in a letter to Patrick Geddes, he emphasized:

“I merely started with this one simple idea that education should never be dissociated from life.” The concept of holistic education which will nurture a ‘complete’ human was imbibed by Rabindranath from our ancient Indian Upanisadic texts which preached emancipation of soul from the bondage of mundane prosperity. His resource was limited, but his ideal was unswerving. By 1917, the idea of an Indian cultural centre was gradually shaping up. The centre will be slated “for the coordinated study of the different cultures.” On 23rd December, 1918, the foundation stone of Visva-Bharati was laid by the poet-educator. In his short speech he explained the aims and objectives of the institution:

“The primary function of a university should be the constructive work of joining and imparting knowledge. Men should be brought together and full scope given to them not only for intellectual exploration, but of vital creation as well and the teaching

should be the overflow of this spring of culture, spontaneous and inevitable.”

Visva-Bharati was registered on 16th May, 1922. Scholars from all over the universe started pouring in to make Visva-Bharati indeed a centre of global culture and learning.

The Bramhacharya school during 1924 came to be called Visva-Bharati Purba Bibhaga and from 1925 it became Patha Bhavana of Visva-Bharati.

In 1921, the Department of Advanced Studies was established which was re-named as Vidya Bhavana in 1926.

From 1919 music and art were being taught at Kala Bhavana which finally branched off into two institutions i.e. Kala and Sangit Bhavana in 1933.

In his early years during his stay in Shilaidaha and Sahazadpur, Rabindranath could feel the agony and pain of village life, steeped in poverty and ignorance. To put an end of this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational educational which will make the village people self-reliant. With this objective on 6th February 1922 the Visva-Bharati Agricultural and Village Reconstruction Department was started at the Surul under the inspiring leadership of Leonard Elmhirst. After some time it came to be known as Sriniketan (the abode of prosperity). The idea enshrined in establishment of this institution was to bring back life in its completeness to the villages and make villagers self conscious about their propensities.

In 1924, was established another school “Siksha-Satra” which was finally shifted to Sriniketan in 1927.

The Cheena-Bhavana was formally inaugurated as a research department by Gurudeva on 14 April 1937 with the lofty ideal of strengthening the age-old cultural ties between India and China. The untiring zeal and effort of Professor Tan Yun-Shan opened up a new vista of Sino-Indian Cultural Fellowship through the Visva-Bharati. In 1994, the establishment of the Nippon-Bhavana added another feather to promote advance studies in Japanese language and culture.

The foundation stone of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Pandit Banarasidas Chaturvedi bore fruit with the completion of the Hindi-Bhavana building on 31 January 1939.

In May, 1951 Visva-Bharati was accorded the status of Central University and “an institution of national importance.”

Thus, what began simply as a school, after traversing a long way amidst plethora of constrains--financial, administrative or in whatever form they might be, has today expanded into a modern university with multifarious pursuits and disciplines with an emphasis which will always promote cultivation of excellence and the retention of an ever-alive experimental character. Santiniketan i.e. an abode of peace and Sriniketan i.e. an abode of grace- these two combined make Visva-Bharati a place of ethereal beauty, serenity and academic vibrancy.

Institutional Structure Today

Visva-Bharati, as per the Act of Parliament of 1951, has the President of India as the Paridarsaka (Visitor) and the Governor of West Bengal as the Pradhana (Rector). The President of India appoints the Acharya (Chancellor) and the Upacharya (Vice-Chancellor) of the University. The Act of 1951, with certain amendments made by Parliament thereafter, and the Statutes of Visva-Bharati constitute the basis of the powers and functions of the university and its constituent authorities. The chief

decision-making bodies of the university are the Samsad (Court), the Karma Samiti (Executive Council), the Siksha Samiti (Academic Council), the Artha Samiti (Finance Committee), and the various Institute Boards and Patha Samitis (Boards of Studies).

The University has the following Institutes, namely :

At Santiniketan

Bhasha-Bhavana (Institute of Languages, Literature & Culture)

Vidya-Bhavana (Institute of Social Sciences)

Siksha-Bhavana (Institute of Science)

Kala-Bhavana (Institute of Fine Arts)

Sangeet Bhavana (Institute of Music, Dance & Drama)

Vinaya Bhavana (Institute of Education)

Rabindra Bhavana (Institute of Tagore Studies, Museum & Archives)

Patha Bhavana (Institute of Primary, Secondary & Higher Secondary Education)

At Sriniketan

Palli Samgathana Vibhaga (Institute of Rural Reconstruction)

Palli Siksha Bhavana (Institute of Agricultural Science)

Siksha Satra (Institute of Primary, Secondary & Higher Secondary Education)

At Kolkata

Granthana Vibhaga (Publishing Department)

Besides, Visva-Bharati also guides the functioning of Agro-Economic Research Centre (A research centre sponsored by the Ministry of Agriculture integrated with Visva-Bharati) and the Computer Centre, which functions as a service centre that helps both academic and administrative departments, in addition to performing its academic functions.

Socially Relevant Research and Other Activities

Steps were taken to promote socially relevant research work in Humanities, Physical and Social Sciences, and need-oriented extension activities of weaker sections.

A short review of the various activities in consonance with the above is given below:

The major areas of research covered by Siksha-Bhavana (Institute of Science) include Plants and Herbicides, Crop-nutrition, Forestry, Pisciculture, Atomic Research, Environmental pollution concerning Agricultural production and fisheries and also Industrial pollution, Immunization of plants and identification of certain epidemics. The Department of Zoology has been identified as a department of Special Assistance by U.G.C. under the special Assistance Programme with two thrust areas of teaching and research namely Fish Biology and Environmental Biology.

The Agro-Economic Research Centre took up research work related to (a) Role of Non-Government Agencies in Agricultural Development in Bihar, (b) Marketing of Agricultural Commodities concerning processing and input supply, (c) Decentralised planning in Agriculture and Rural Development, (d) Effect of Subsidies on Agricultural Development, (e) Economic Viability of Marginal and Small Farms and (f) Agricultural Marketing with special focus on progressing and inputs supplies (West Bengal).

Palli Samgathana Vibhaga sought to bring about regeneration of village life through self-help and self reliance in the villages around Santiniketan and Sriniketan through action-oriented programmes such as Mass Literacy programme, adult education, programmes undertaken by Brati Balak and Youth Organisation, rural library services, craft extension & training, etc., especially in the areas inhabited by scheduled castes and scheduled tribes and other backward classes.

Palli Charcha Kendra (Centre for Rural Studies) focused its attention on Anti-Proverty programmes in Rural Areas with an in-depth study of “Operation Barga”, Agricultural Production and Agricultural Marketing under ICAR, and studies in Language Corruption and Culture confusion of the Tribal Communities, especially the Santhal Community.

Palli Siksha Bhavana (Institute of Agricultural Science) took up (a) All India Coordinated Research projects on weed control under USDA and ICAR, (b) Nocil Research project on Weed Control on rice, (c) Oil-seed research scheme, (d) The effect of Neem Extract created on various crops, (e) A village level survey on nature, composition and utilisation of wastes under NROER and (f) Effect of irrigation and nitrogen on growth of crops, Agricultural Economy for the growth of Farm-Capital by introducing large scale, Jute, Sugarcane, Mustard Seed cultivation under the sponsorship of Visva-Bharati. Apart from the above, socially relevant projects undertaken by the Department of Plant Protection included (a) Integrated Pest Management, (b) Post-harvest Pathology, (c) Nematode Ecology, etc. A Soil Testing laboratory has also been set up in collaboration with the State Government, developing efficient soil testing methods for estimation of available soil phosphorous and potassium in lateritic soils in relation to production of rice crop.

The Department of Social Work organised programmes of socially relevant field studies like (a) Drop-outs to join schools, (b) Utilisation services of the health centres, (c) Investment in Agriculture and Industry by Co-operative Banks, (d) Family in socially distress, (e) Self-employment for SC/ST community and other backward classes of the rural population and special projects for the physically handicapped. It further initiated a community-based rehabilitation programme in collaboration with other governmental agencies in the neighbouring villages.

The Institute of Humanities and Social Science took up research programmes in Philosophy, Religion, History, Economics, Political Science and various languages, both Indian and foreign. Mention may be made of Bengali, Sanskrit, Palli & Prakrit, Persian, Urdu, Hindi, Santhali, Oriya, Tamil, Marathi, Tibetan, Chinese, Japanese, Russian etc. Special studies on Buddhist literature and religion are being carried out in the Departments of Chinese Language & Culture and Indo-Tibetan Studies. They have a rich store house of old manuscripts. The Department of Oriya has taken up a special study of the Folklore of Orissa. Nippon Bhavana, i.e., the Japanese Studies & Culture Centre has been re-oriented towards cultural programmes between India and Japan with financial assistance from Japan.

That apart, the Indira Gandhi Centre for National Integration organises workshops and seminars on curricular development to determine how the culture of National integration may be taken up in the Secondary and Higher Secondary schools as a course of studies.

Apart from regular curricula in Computer Science at B.Sc. and M.Sc. levels, there is an independent Computer Centre of marked distinction imparting regular training and computation facilities to

the Visva-Bharati community, both academic and administrative, to foster the generation of a computer culture. Computation facilities are also available in the following departments: English, Botany, Kala Bhavana, Mathematics, Palli Siksha Bhavana, Physics, Rabindra Bhavana, Zoology, and Agro-Economic Research Centre.

Mention may also be made of extension activities of students, which were marked by a special and socio-economic significance. These were organised in the form of regular programmes of NCC, NSS, Physical Education, and functions and festivals, including educational excursions which entailed an interaction with the people of the adjoining rural areas, mostly inhabited by scheduled castes and scheduled tribes. The salient features of these extension activities related to social services, protection of the environment, eradication of illiteracy, primary health care as also the campaign against drug addiction.

The above gives a comprehensive view of the steps taken by the university to promote socially relevant research in tune with the dream of its founder Rabindranath Tagore, who looked forward to social uplift in India through socially relevant education programmes.

Finance

The University is almost totally dependent on the U.G.C. grants for day to day running expenditure, a major part of which is in the nature of salaries etc. to teaching and non-teaching staff. The Maintenance grant (2015-2016) received from U.G.C. is ` 21506.00 lakhs as against actual expenditure to the tune of ` 19,716.35 lakhs during 2014-2015.



UNIVERSITY AT A GLANCE

Total no. of Students : 9534 (Male—5079, Female—4455)

Total no. of Teaching Staff : 626

(Professor—151, Associate Professor-94, Asst. Professor-264, Asstt. Lect.—117)

Total no. of Administrative Staff : 843

Group-A : 67

Group-B : 196

Group-C including MTS 580

Total no. of sanctioned post of teaching staff (Prof. 70, Associate Prof. 153 Asst. Prof. 414, Asst. Lect. 159)

Total no. of sanctioned post of administrative staff (Group-A 93, Group-B 262, Group-C (including MTS) 1445)



Chapter 2

BHASHA-BHAVANA

(Institute of Languages, Literature and Culture)

Annual Report of Bhasha-Bhavana 2016-17

Bhasha-Bhavana, the Institute of Languages, Literatures & Culture, comprising ten major language departments, two centres and three language units, was formed in February 2010, carving out a separate identity for itself from the erstwhile Vidya-Bhavana, which included language/literature-teaching departments as well as departments of social sciences. In 2014 Bhasha-Bhavana moved to the new building in Purvapalli shared as common resources facility by Bhasha and Vidya-Bhavanas.

The constituent departments of Bhasha-Bhavana conduct regular courses at the undergraduate and postgraduate levels, as well as M.Phil. and Ph.D. programmes. Bhasha-Bhavana also offers part-time language courses (including two-year Certificate, one-year Diploma and one-year Advance Diploma programmes) in 17 Indian and foreign languages, for regular students and staff members of Visva-Bharati and for residents of the locality. One-year integrated casual courses on Indian Classics and in certain languages and literatures are available for foreign students. The Department of Sanskrit offers a 6-month course on Manuscriptology.

Visiting professors and scholars from all over the world regularly visit Bhasha-Bhavana, enabling exchanges of ideas that contribute significantly to research, and pedagogy. The Department of Odia has developed a Centre of Excellence, while the Department of English has entered into the 2nd phase of its DRS (Departmental Research Scheme) programme, with its thrust area, "Rabindranath Tagore: East-West Confluence". Bhasha-Bhavana holds the promise of advancement towards national integration and world peace through continuous intellectual and cultural exchange.

Cheena Bhavana, the Department of Chinese, and Hindi Bhavana, the Department of Hindi, house prestigious sectional libraries, with around 45,000 and 35,000 books respectively. The Department of Comparative Literature, a new entrant, has upgraded itself to offer M.A., M.Phil., Ph.D. programmes, alongside the subsidiary / alternative options for the undergraduate courses.

The office of Bhasha-Bhavana is run efficiently by the collaborative efforts of the office administrative staff. Shri Soumen Saha is Section Officer of Bhasha-Bhavana; Shri Ganesh Ghosh is Senior Office Assistant; Sk. Mahiuddin is Office Assistant; Shri Amar Karmakar is Bhavana Record Keeper; Shri Ranjan Reshmi Senapati is peon; and Shri Panchanan Khan is full-time casual worker. Shri Subir Goswami provides service as temporary worker in the Bhasha-Bhavana office.

The uniqueness of Bhasha-Bhavana lies in bringing together Indian languages and foreign languages under one umbrella. As such, Bhasha-Bhavana can be proud of its status as a cultural centre that enables the meeting of the best cultural aspects of East and West, encapsulating the motto of the institution - "where the world meets in a nest" - and thereby fulfilling the ideals of Gurudev Rabindranath Tagore.

Department of Bengali

Name of the students qualified in UGC/CSIR/NET examinations:

NET with JRF:(1)

NET: (1)

Departmental Seminars etc. (Speakers, Title of Seminars, Date):

27 Nov. 2017, Dr. Shreela Basu delivered 'Rathindranath Smriti-Baktrita'.

25 February 2017: Conducted Educational Exchange Programme with the Bengali Department, Diamondharbour Women's University , 24 Pgs (S).

19-20 September 2016: International Seminar on 'Bengali Literature and Culture Post 1947: Various Directions' organized by the Home Department in association with Uttara University, Dhaka, Bangladesh. Sri Hasan Azizul Haque, Sri Shirshendu Mukhopadhyay, Sri Manoj Mitra, Sri Mridul Dasgupta, Sri Kalikaprasad Bhattacharya, Prof. Pabitra Sarkar et al distinguished personalities from both Bengal illuminated the Seminar.

5 August 2016: Dr. Manabendra Mukhopadhyay and Dr. Biswajit Ray delivered lecture commemorating Mahasweata Devi's contribution and uniqueness in Bengali literature after the author's demise.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and the students of the Department: Bengali

Department of Bengali organized the Departmental Reunion festival on 25th and 26th February, 2017

Academic distinctions gained by teachers, scholars or the Department as a whole: Nil

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

Two New Special papers namely Bengali Drama and Theatre of Twentieth century and Bengali Folk Literature and Folkloristics have been introduced for last even-semester (2016) at PG level.

Future plans:

- a) We want to explore new knowledge in various fields of Bengali language and literature, Folkloristics, Inter-disciplinary Studies including Music, Film, Art and Architecture, Social History, Philosophy, Translation Studies etc.
- b) We have a plan to set up a Tagore Cell with a view of exhaustive studies on Rabindranath.
- c) We have a plan to introduce online Bangla language course for non Bengali-speaking persons.

Any other relevant information which in the opinion of the Head of the Department is worth-reporting should be included:

Bengali Departmental library is not empowered to purchase books and periodicals directly. These all are monitored by the Central Library of the University. Departmental library should have a minimum provision of purchasing Books, Journals and Periodicals with their priority and urgency. Moreover, the Department would like to emphasise that a permanent librarian is essential for

smooth running of the Departmental library system. The Department has been soliciting for a well-equipped Departmental Seminar Library for the last couple of years. However, a thorough stock check process and systematic stacking was made in the academic year 2016-17.

Amal Kumar Pal

Publications:

Books

Rabindranath : Nanaprasanga ,Parampara Prakasan, January 2017 , ISBN 978-93-80869-48-3
Bangla Sabdoproyog Abhidhan, January 2017, ISBN 978-81-295-2735-6

Sudip Basu

Conference/Seminars/Workshops :

20 - 24 June 2016: 29 Aug-2nd Sept 2016 to 5-9 Nov. 2016 : Was present in a workshop as Resource Person organized by the Central Hindi Directorate (MHRD) at Delhi.

8 June 2016: Delivered lecture on nineteenth century personality Bhudeb Mukhopadhyay at the Kazi Nazrul University, Asansol, West Bengal.

8 -9 August 2016: Delivered lectures on Research Methodology in PG (Bengali) Department of Ranchi University.

Publications:

Book:

“সাময়িক পত্রে সাধু-চলিত বিতর্ক ? সবুজ পত্র পর্ব” ("Samayik Patre Sadhu-Chalit Bitarka") published in the Kolkata Book Fair 2017, প্রকাশক বঙ্গীয় সাহিত্য সংসদ (Publisher : Bangiya Sahitya Parishad)

Articles in Journals/Periodicals:

'On the Wings of Imagination', Subh Yatra, Air India, May 2016

“আকাশ উড়ানে রবীন্দ্রনাথ” নিবোধত, শ্রীসারদা মঠ, দক্ষিণেশ্বর, কলকাতা, পূজাসংখ্যা ২০১৫, নভেম্বর-ডিসেম্বর ২০১৬, মার্চ-এপ্রিল, ২০১৭
‘উত্থান-পতনে যমুনা’, ? প্রসঙ্গত শরৎচন্দ্র’, বাংলা পত্রপত্রিকা ? সম্পাদক ও সম্পাদনা গ্রন্থভুক্ত, সম্পাদনা তাপস ভৌমিক, কোরক, জানুয়ারি, ২০১৭

Manabendranath Saha

Conference / Seminar / Workshop etc:

31 March 2017: Participated as an invitee speaker organized by the Department of Arabic, Persian, Urdu and Islamic Studies, Visva-Bharati.

24 March 2017: Participated as a speaker, organized by Department of Bengali ,Berhampore Girls' College, Berhampore, Murshidabad.

23 February 2017:Bhasha Divas celebration at Krishnath College, Berhampore, Murshidabad. Presided over the ceremony.

Publication

Articles in Journals

'Bhaskar Chjakraabortir Kabita', Jalsiri, Pandu, Assam, Oct. 2016. ISSN: 2249-7447.

'Sakti Chattopadhyae Samsare sanyasi Lokta: Atmajibonir Ansho', Lokayudh, June 2016, Coochbehar, ISSN: 2395-2938.

'Neem Annapurna: Galpo theke Chalochitrer porisare, Uralkatha, January, 2016. Kolkata.

'Samar Sener Kobita: Bipanna Madhyabitta', Akash, December 2016, Berhampore, Murshidabad.

Rita Modak**Conference/ Seminar/ Workshop etc.**

01-03 March 2017: UGC-sponsored International seminar organized by North Bengal University on 'Bangla Upanyase Paribesh Sachetanata'. Presented a paper.

Publication:

Articles in Book Chapters:

'Bankimer Nari: Ekush Shataker Chokhe', Bankimchandrur Upanyas: Punarbikshan (Ed. Mrinalkanti Mandal), Sampurna Prakashana, Boimela 2017.(ISBN: 978-87-923902-1-5).

Atanu Sasmal**Conference/ Seminar/ Workshop etc.**

05-06 August 2016: Delivered lecture on 'Rabindranather Siksha Bhavna Niye' in an International Seminar organised by Uttara University(Bnagladesh) in association with Rabindracharcha Kendra, Rabindra Bharati University(Kolkata, India) and Bengali Department, Jahangirnagar University(Bangladesh). Chaired a session.

19-20 September 2016: Delivered lecture as convener at inaugural ceremony of the International Seminar on 'Bengali Literature and Culture Post 1947: Various Directions' organized by the home Department.

Publications**Book**

'Prabandha Astabishshati' by Pasupati Sasmal (Ed. by Atanu Sasmal), Bangiya Sahitya Samsad, Kolkata, Kolkata Boimela 2017, ISBN: 978-93-85131-65-3.

'2016 ta Galpasaptak', Ebong Mushayera(ISSN:0976-9307), Vol. 23, Issue 2, July-September 2016, Kolkata.

Manabendra Mukhopadhyay

Conferences/Seminar/Workshop etc.

20-21 January 2017: International Seminar on 'Bharat o Bangladeshe Sampratik Rabindracharcha' organized by Khamkheyali Sabha, Dhaka, Bangladesh, held in Dhaka on 20-21 January 2017. Presented a paper titled 'Bharate Academic Rabindracharcha o Tar Sampratik Prabonata' as Resource Person.

27-28 February 2017: International Conference on 'Rabindranath Tagore and Cosmopolitanism' organized by the Dept of English and other MEL, Visva-Bharati under UGC DRS SAP II, held at Santiniketan on 27-28 February 2017. Presented a paper titled 'Revisiting the Reception of Tagore's "Nationalism"---The Book and the Ideas' as Resource Person.

19-20 September 2016: International Seminar on 'Bengali Literature and Culture in Post 1947: Various Directions' organized by the Department of Bengali, Visva-Bharati in association with Uttara University, Dhaka. Chaired two sessions.

18-19 February 2017: National Seminar on 'Bish Shataker Shesh Tin Dashak: Banglar Samaj Sahitya o Sanskriti' organized by Berhampore Girls' College held at Berhampore, Murshidabad on 18-19 February 2017. Presented a paper titled ' Bish Shataker Shesh Tin Dashak o Bangla Upanyaser Ekti Bikalpo Pratiman' as Resource Person.

25-26 March 2017: UGC Sponsored National Seminar on 'Ramendrasundar Trivedi' organized by

Berhampore College held at Berhampore, Murshidabad on 25-26 March 2017. Presented a paper titled ' Chintak Ramendrsundar: Chintar Kathamo' as Resource Person.

26 November 2016: Delivered first lecture of the 'Distinguished Lecture Series' organized by Rabindra Bhavana, Visva-Bharati on the occasion of centenary celebration of several noted Books of Tagore. Presented lecture titled 'Rabindrasahityajibone 1916 sal: Kichhu Proshno'.

27 December 2016: Delivered lecture on 'Ramananda Chattopadhyay' commemorating the Editor's 150th Birth Ceremony jointly organized by Rabindra Bhavana, Visva-Bharati, JMC Dept., Visva-Bharati and the Alumni association, St. Xavier's Colege, Kolkata held at Santiniketan as invited speaker.

05 August 2016: Delivered lecture commemorating Mahasweta Devi after the noted author's demise. The event was convened by the Dept of Bengali, VB.

26 March 2017: Delivered lecture on 'Rabindranather Manabdharma' in an Orientation programme held on 19th February & 26th March 2017 organized by Tagore Studies, Visva-Bharati held at Santiniketan, as Resource Person.

31 January 2017: Delivered lecture on 'Necessity of Studying Literature' on the occasion of 'Siksha Saptaha' organized by Bahiri BS High School as Invited speaker.

04 September 2016: Chaired a special lecture session on "Raktakarabi" organized by 'Women's Study Centre', Visva-Bharati at Santiniketan.

18 March 2017: Chaired the Seminar titled 'Educational Thoughts of Rabindranath : The context of Value Education' organized by Balagarh BK Mahavidyalaya', Hooghly.

Other Academic/Administrative Activities:

Acted as Guest Teacher, Dept of Bengali, Jadavpur University.

Member, Editorial Board, Kalanukramik Rabindra Rachanavali (5th Vol.)

Member, Editorial Board, The Visva-Bharati Quarterly.

Peer Reviewer, The Prism (Lalpur MG College Journal) & Uralkatha (Both with-ISSN).

Publication

Articles

'Chaturanga Samalochonar Dhara o Dharan', Rabindra Bhavna (ISSN: 2227-6354), July-September 2016.

'Rabindra Sahitya Jibone 1916 sal: kichhu Prashno', Ebong Mushayera(ISSN: 0976-9307), Sharadiya 1423 BS

'Ekti ba duti Rabindra-Galpo: Pathruchibhed o Byktigato Path', Sahityatakho(ISSN: 2320-6160, December 2016.

'Kamalkumarer Kathachihno o Du-charti Galpo', Uralkatha(ISSN: 2350-143X), January 2017.

Articles in Book Chapters :

'Dainandiner Nandonikata o Rabindranath, Santiniketan Sanskritir Baishithyo (ISBN: 978-81-930797-7-5), December 2016.

Biswajit Ray

Conference

8 March 2017: Chaired a Session, XIII CLAI BIENNIAL International Conference on Comparative Literature

10 March 2017: Presented a paper on Gender Sensitisation/ Rhetoric and Realities, Katwa College

Books

1. Niveditar Katha (Nivedita : Her Life and Time) Sutradhar, Kolkata, November 2016, ISBN: 978-81-32156-12-3
2. Rabindranath O Vivekananda: Swadeshe Samakale(A Collection of Essays on Rabindranath and Vivekananda) Karigar, Kolkata, January 2017, ISBN: 978-93-81640-93-7

Articles

Ashok Sener Rabindrachar Bishaye Kayekti Katha , Sahitya Parishat-Patrika, Vol.122, No.1-4, June 2016, ISSN 2395-1532

Chapters in Books

Amader Bangla Medium (A Short History of Bengali Medium School System), published in Hindu College Theke Hindu School (Hindu College to Hindu School) Bi-Centenary Commemoration Volume, Compiled and Edited by INdrajit Chaudhuri, Dey's Publishing, Kolkata, January 2017, ISBN: 975-81-295- p.287-307

Milan Kanti Biswas

Conference/Seminar/Workshop:

24 August 2016: Delivered a special Seminar Lecture on "Rabindranath o Lokosanskriti" organized by Dept. of Bengali, THLH Mahavidyalaya, Birbhum.

7 September 2016: Delivered a Seminar Lecture on "Rabindranath o Lokosahitya" organized by Dept. of Bengali, S.F.S.Mahavidyalaya, Khayrasole, Birbhum.

29 July 2016-18 August 2016: Participated in the 2nd Refresher Course in Bengali organized by HRDC, University of Burdwan, Burdwan.

Published Articles :

Bahurupe Bhasha: Lokobhasha, Bahurupe Bhasha (3rd Part), Ed. By Shyamasree Biswas Sengupta, ISBN : 978-93-85393-30-3, Prativash, Kolkata -700 002, August 2016.

Rabindrouttar Bangla Kobitay Mongolkabyer Anushango, Bangla Mongolkabya o Tar Uttradhikar, Ed. By Bimal Kumar Thandar, ISBN : 978-93- 80973-70-8, Nov.2016.

DEPARTMENT OF ENGLISH & OTHER MODERN EUROPEAN LANGUAGES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination.

Sukanta Roy, Ritushree Sengupta

Departmental Seminar (Speakers, Title of the Seminar, Date)

A. Two Days International Conference:

Title of the Conference: Rabindranath Tagore and Cosmopolitanism

Date: 27.02.2017-28.02.2017

Some of the speakers were

Bashabi Fraser- Edinburgh Napier University

Fakrul Alam- Dhaka University

Neil Fraser- Edinburgh University

Carla Sassi- Verona University

Rahul Dev- National Institute of Museology

Nandini Bhattacharya- Burdwan University

B. Two Days National Translation Workshop

Title of the workshop: Rabindranath Tagore and Cosmopolitanism

Date: 27.03.2017-28.03.2017

There were 24 Participants in the workshop and they translated several Tagore's essays

Only National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teachers / Research scholars in details.

Abhijit Sen

Seminars/Conferences/Lectures:

26 April 2016: Delivered a talk on "Introducing Shakespeare" at the symposium organized by the Heritage School, Bithika Pally, Rampurhat, to commemorate the 400th death anniversary of Shakespeare.

22 August 2016: Delivered a special lecture on "Theatre, Ideology, Shakespeare" at Chandernagore College, Chandernagore.

7 September 2016: Delivered a special lecture on "Reading Shakespeare, Reading Theatre" at Bolpur College, Bolpur.

28 October 2016: Delivered an invited lecture on "The Beginnings of the European Renaissance and Petrarch" at the Department of English, Kalyani University.

11 November 2016: Read a paper on "Ezra Pound and Rabindranath Tagore: A'Difficult' Relationship" at the seminar on "American Poetry in Interaction with the Other Arts and Other Literatures: Cross-Pollinations", organized by JUSAS, Jadavpur University.

26 November 2016: Read a paper on "Shakespearean Negotiations: State and Stage" at the National Seminar on "Shakespeare: the Stage and the State", organized by the Department of English, University of Gour Banga, Malda.

10 January 2017: Read a paper on "The Shakespeare Metamorphosis: From Popular Dramatist to

Cultural Icon", at the International Seminar "Nature, Culture and Shakespeare: Interrogating and Negotiating the Significations", organized by the Department of English, Aliah University, on 10-11 January 2017.

27-28 March 2017: Participated in a Translation Workshop, as part of the International Conference on "Rabindranath Tagore and Cosmopolitanism", organized by the Department of English & Other Modern European Languages, Visva-Bharati.

Amrit Sen

Seminars and Conferences :

19-20 April, 2016: Invited to deliver a Lecture titled "Preparing a Research Proposal" as a Resource Person at the Research Methodology Course on Qualitative Research in Social Sciences organized by the Department of Education, Visva-Bharati.

7 May, 2016: Invited to deliver a Lecture titled "Tagore and China: The Historical Context" as a Resource Person at the International Seminar on "Tagore and China" organized by the Department of Chinese, Visva-Bharati in collaboration with the Consulate General of the People's Republic of China.

14 May, 2016: Invited to deliver a Lecture titled "New Directions in Culture Studies" as a Resource Person at the Research Methodology Course on "New Frontiers in Research" organized by Rabindra Bharati University, Kolkata.

16 May, 2016: Invited to deliver a Lecture titled "Reviewing the Rise of the Novel" as a Resource Person as part of the Invited Lecture Series 2016 organized by the Department of English, Kalyani University.

2 June, 2016: Invited to deliver two Lectures titled "Women and Indenture" and "Women Readers in the Eighteenth Century" as a Resource Person at the 7th Refresher Course on Women's Studies organized by the HRDC, University of Burdwan from 1-21 June 2016.

12 July 2017: Delivered a Special lecture on "Rabindranath Tagore and Scotland" at an International Symposium organized by The Edinburgh Napier University, Edinburgh, Scotland as part of the UGC-UKIERI Project.

4 August 2016: Invited to deliver a Lecture titled "Bridging Cultures: Revisiting the Performance of Shapmochan in Sri Lanka, 1934" as a Resource Person at the International Conference on "Revisiting Rabindranath Tagore's Legacy" organized by the Centre for Contemporary Studies, University of Colombo, Sri Lanka.

24 August, 2016: Invited to deliver a Lecture titled "Research, Interdisciplinarity and the Turn towards Culture Studies" as a Resource Person at the Course For Research Scholars organized by the HRDC, University of Burdwan from 23-29 August.

6 September, 2016: Invited to deliver a Lecture titled "Quality in Higher Education: The Role of Accreditation" as a Resource Person at the Workshop on NAAC Accreditation Course organized by the Burdwan Raj College on 6 September.

7-8 December, 2016: Invited to deliver a Lecture titled "The Poetry and Sketches of Joseph Lee" as a Resource Person at the International Conference on "War In/And Texts: Voices, technicalities and Thoughts" organized by the Department of English, Raigunj University.

20 December, 2016: Invited to deliver a Lecture titled "Restoration to Eighteenth Century" as a

Resource Person as part of the Invited Lecture Series 2016 organized by the Department of English, Kalyani University.

26-31 December, 2016: Invited to deliver 6 Lectures in a special Course titled "Literary Appreciation" as a Resource Person at the Satyajit Ray Film Institute, Kolkata.

6-7 January, 2017: Invited to deliver a Lecture titled "One Lash the More: Pain, Pleasure and the Mechanics of Satire" as a Resource Person at the National Conference on "Pen, Pain and Writing", organized by the Department of English, Salesian College, Siliguri.

20-21 January, 2017: Invited to deliver a Plenary Lecture titled "The Literature of Indian Indenture" as a Resource Person at the 61st National Conference organized by the All India English Teachers' Association, Nagpur.

8-9 February, 2017: Invited to deliver a Lecture titled "The Great Wooden Mai Baap: Dystopia or Utopia?" as a Resource Person at the International Conference on "Good Places: Representations of the Utopic" organized by the Department of English, Kalyani University.

13-14 February, 2017: Invited to deliver a Lecture titled "Identities and Texts: Voices of the Sugar Diaspora" as a Resource Person at the National Conference on Question of Identity in the Literature of the Indian Diaspora in English organized by the Department of English, Egra S.S.S.B College, Egra, Purba Medinipur.

27-28 February, 2017: Invited to deliver a Lecture titled "Science Between the Local and the Global: Tagore and His Circle" as a Resource Person at the International Conference on Rabindranath Tagore and Cosmopolitanism organized by the Department of English & OMEL, Visva-Bharati.

20-21 March, 2017: Invited to deliver a Plenary Lecture titled "Tagore and Pedagogy" as a Resource Person at the National Seminar on "Learning to Live Wise: Advancing Tagorean Wisdom in Education" organized by the Department of Education, Visva-Bharati.

21 February, 2017: Invited to deliver a Special Lecture titled "Matribhasha Dibas" as a Resource Person as part of the International Mother Language Day Celebration organized by the Turku Hansda Lapsa Hembram Mahavidyalaya, Mallapur.

10 February, 2017: Invited to deliver a Special Lecture titled "Rabindranath; Bhraman o Visvabodh" as a Resource Person as part of the Special lecture Series organized by MUC College, Burdwan.

26 March, 2017: Invited to deliver a Special Lecture titled "Rabindranath the Wayfarer" as a Resource Person as part of the Two-Day Orientation Programme on "Rabindranath and his Myriad Creativity" organized by Rabindra Bhavana, Visva-Bharati.

28 March, 2017: Invited to deliver a Special Lecture titled "Rabindranath, Nationalism and Education" as a Resource Person as part of the Winter School on Nation and Higher education organized by the Faculty of Arts, Jadavpur University.

Ananya Dutta Gupta

6-7 June 2016: Invited to deliver a Special Lecture titled "Thoreau's Walden" in the Department of English, University of Gour Banga, Malda,.

24-25 June 2016: "Memory and Genericity in the Early Modern English Idea of the City: A Reading of Thomas Deloney's Ballad 'The ouerthrow of proud Holofernes, and the triumph of vertuous Queen Iudith'". Sharing Spaces in the Early Modern World, 1450-1750. Faculty of History, University of Oxford, Oxford, United Kingdom and also in school of Advance Studies, University of London on 6-8 July, 2016.

21-22 October 2016: "Mine honour I'll bequeath unto the knife: Shakespeare's Treatment of Suicide in The Rape of Lucrece and Hamlet". Shakespeare's Ashes: A Celebration of Shakespeare's Afterlives, International Conf., Shakespeare Society of India, British Council, New Delhi, India.

7-8 November 2016: "Wisdom versus wit: John Lyly and Early Modern Old Age", Invited paper. 'Ripeness is all': Discoursing Shakespeare and the Politics of Cultural Gerontology, International Conference, Bankura University, Bankura, West Bengal, India.

1-3 December, 2016: "Shakespeare the Time Traveller: Dr. Johnson's Preface and the Anti-Theatrical Bias". All the World's A Stage, Biennial International Conference, Asian Shakespeare Association, New Delhi.

Debarati Bandyopadhyay

15-17 February 2017: National Conference on "Location, Identity, Solidarity - Hegemonic Formations and Contestations (Special Focus on the Northeast)" organized by IACLALS and IIT, Guwahati in IIT, Guwahati. Presented a paper: "Fractured Land and Literary Refraction: Reading the Northeast."

3-5 March 2017: 16th MELOW International Conference on "Facts, Distortions and Erasures: Literature as History, History in Literature" in Chandigarh. Presented a paper: "Historical Erasure and Literary Reinstatement: Margaret Atwood's Canada". Chaired an academic session.

27-28 February 2017: International Conference on "Rabindranath Tagore and Cosmopolitanism" organized by UGC DRS SAP II, Department of English and Other Modern European Languages, Visva-Bharati in Santiniketan. Delivered an address on "Tagore and Cosmopolitanism" in the inaugural session. Chaired an academic session. Co-ordinator of the Seminar.

27-28 March 2017: National Translation Workshop on "Rabindranath Tagore and Cosmopolitanism" organized by UGC DRS SAP II, Department of English and Other Modern European Languages, Visva-Bharati in Santiniketan. Translated Tagore's essays on cosmopolitanism and nationalism. Co-ordinator of the workshop.

Dipankar Roy

Seminars/Workshops:

- i. 24 - 25 June 2016: Participated and presented a paper on Arun Kolatkar's poetry in a state-level seminar organized by Malda College, Malda, West Bengal.
- ii. 17 - 19 October 2016: Participated in a national level "Capacity Building Workshop - III" organized by Indian National Trust for Art and Cultural Heritage (INTACH), New Delhi.
- iii. 7 November 2016: Conducted and presented a two-part radio programme on "Bangla Children's Literature", produced by All India Radio, Akashvani, Kolkata.
- iv. 1 December 2016: Participated and presented a paper on "Rabindranath Tagore: Our Contemporary" in a state-level seminar organized by "Centre for Tagore Studies", Santipur College, Nadia, West Bengal.
- v. 16 - 22 December 2016: Participated in a national level course titled "Conquest of Knowledge: The British in India", a GIAN programme, (an Initiative of Ministry of Human Resource Development, Govt. of India) organized by National Institute of Technology, Silchar, Assam.
- vi. 27 - 28 March 2017: Participated in and jointly translated two essays by Rabindranath Tagore in the Translation Workshop organized by the Department of English & Other Modern European Languages, Visva-Bharati, as part of the UGC DRS SAP (Phase II) International Conference on "Rabindranath Tagore and Cosmopolitanism".

Goutam Ghosal

- i. 4-5 March, 2017: Presented a Paper titled "Sri Aurobindo: Cultivation of Inner and Outer Peace" speaker in a National Seminar on "Contextualising Conflict", at the Department of Social Work, Visva-Bharati.
- ii. 9-10 December, 2016: Participated in the 11th ISTETL conference in The Hong Kong Polytechnic University and interacted in the presentations on English language teaching.
- iii. December 3-4, 2016: Delivered Keynote Address on "Indian Aesthetics" in a seminar organized by the Tamil Department on "Literary Theory" at Bhasha Bhavana, Visva-Bharati.
- iv. 22-23 September, 2016: Presented a paper titled "Huxley's Brave New World in the light of Sri Aurobindo's Approach to Science" in a Two-Day National Seminar at Pondicherry University.
- v. 7-8 November 2016: Delivered Keynote Address on "The Concept of Virat and Hiranyagarbha in Shakespeare's Antony and Cleopatra" in an International Conference at Bankura University, Bankura, West Bengal, India.

Saurav Dasthakur

- i. 02-03 April, 2016: Presented paper titled "'Where the World makes its Nest': Rabindranath Tagore and Internationalism in 'Nationalism in Japan'" at National Conference on "Vasudhaiva Kutumbakum: Reconceptualising Interconnections and Innovations" jointly organised by St. Xavier's College and St. Xavier's College of Management and Technology, Patna.
- ii. 19-20 October, 2016: Participated in Two-Day International Teacher's Training Workshop on "Use of E-Resources in Higher Education" organised by Project E-QUAL, Jadavpur University.
- iii. 27-28 March, 2017: Participated in Two-Day National-level Translation Workshop on "Rabindranath Tagore and Cosmopolitanism" organised by Department of English & OMEL, Visva-Bharati, Santiniketan.

Somdatta Mandal

Lectures in Seminars/Conferences:

- i. 3-4 August, 2016: Two-day UGC National Seminar at Derozio Memorial College, Kolkata on "The Partition of India: Its Trauma and Triumph." Delivered paper entitled "Of Border Crossings and Survival: The Partition of India, Memory and Visual Representations." Also chaired a session.
- ii. 26-27 September, 2016: Delivered the Keynote Address at Sahitya Akademi sponsored two-day national seminar on "Contemporary Women's Writings in the Eastern Regional Languages" at Bhatler College, Paschim Medinipur.
- iii. 14-16 October, 2016: South Asian Sufi Festival at Jaipur, Rajasthan organized by Foundation of SAARC Writers and Literature. Presented paper "Influences of Sufism: Rabindranath Tagore and Kabir."
- iv. 18-20 November, 2016: International Conference on "The Past, Present and Post 'Diaspora': New Directions in Diaspora Studies" at the University of Mumbai. Presented paper "Diaspora Studies Now: Where Do We Go From Here?"
- v. 24-25 November, 2016: National Seminar dedicated to the memory of Mahasweta Devi "Translating/Transcreating the Cultures of Existence" organized by Department of English, Jamia Millia Islamia, New Delhi. Presented paper: "Between Community Activism and Creativity: Assessing the Politics of Subaltern Empowerment through Mahasweta Devi."

- vi. 5-6 January, 2017: UGC Sponsored National Seminar on "South Asian Literature in English and English Translation" at Bharatidasan College for Women (Autonomous), Puducherry. Delivered the keynote address: "The Great Literary Bazaar: South Asian Writing in English."
- vii. 10-11 February, 2017: National Seminar on "Tribal Literature and Oral Expression in India" organized by Sahitya Akademi, New Delhi and held at Port Blair. Made presentation: "Survival of the Andamanese Tribes: Reading Mahasweta Devi's story 'The Arrow'".
- viii. 28 February, 2017: 20th Anniversary Seminar of Jadavpur University Society for American Studies on "Otherness and Other Worlds: The Clash in American Literature and Art between Inclusiveness and Exclusivity." Presented paper "Framing Blackness: The Afro-American Image in Films".

Stuti Mamen

- i. 22- 23 July, 2016 : Presented a paper titled "Viewing the 'Freaks' As a Site of Resistance via Methodology Pertaining to Visual Culture: A Study in the American Context" in the National Conference on "Interdisciplinarity: Theory and Practice, (COIN - 2016)" organized by the Department of Humanities and Social Sciences, National Institute of Technology, Meghalaya.
- ii. 2-3 November, 2016: Presented a paper titled "Such Food as Dreams Are Made On: The Value of Food as Represented in Select Indian Works of Fiction in English" in the National Conference "Routes/ Roots" organised by the Department of English, University of Delhi.
- iii. 27-28 March, 2017: Participated in a two-day national-level Translation Workshop on organised by Department of English & OMEL, Visva-Bharati, Santiniketan.

Sudev Pratim Basu

- i. 6 - 7 June, 2016: Invited to deliver six one-hour long lectures on Lord Byron for the Post Graduate students of the Department of English, University of Gour Banga, Malda.
- ii. 28 September 2016: Invited as Resource Person to one-day conference on "Reflections of the Growing Mind: Young Adult Literature and Culture" organised by the Department of English, Surendranath College for Women, Kolkata. Presented a plenary paper entitled "Tiger Hunting, Jim Corbett and the Politics of the Man-eater". Also chaired a session.
- iii. 7 & 9 February 2017: Invited as Resource Person (Guest Faculty) for two lectures at the Post-Graduate Programme (PGP 19, Term VI) on "Communication as Impression Management" at the India Institute of Management, Kozhikode (IIMK).
- iv. 27-28 February 2017: Participated in the Translation Workshop organised by the Department of English & Other Modern European Languages, Visva-Bharati, as part of the UGC DRS-SAP (Phase II) International Conference on Rabindranath Tagore and Cosmopolitanism.

Swati Ganguly

- i. 23 April 2016: Presented paper titled "Editing epistles, editing emotions: The making of Bhanusingher Patraboli" in the National Symposium, "Emotions, Experience: Ethics and Aesthetics" organized by the Sahitya Akademi in collaboration with the Centre for Comparative Literature, Visva-Bharati.
- ii. 1-3 December 2016: Presented paper titled "Rabindranath's reading of The Tempest and Kalidasa's Shakuntalam" in the International Asian Shakespeare Biennial Conference, "All the World's His Stage: Shakespeare Today" at the Indira Gandhi National Centre, New Delhi.

- iii. 6-8 March 2017: Presented paper titled "Rabindranath Tagore, Cosmopolitanism and Asian Comparative Studies" at the plenary session of the XIII CLAI Biennial "Comparative Literature at the Crossroads", organized by the Centre for Comparative Literature, Visva-Bharati in collaboration with Comparative Literature Association of India and Sahitya Akademi.
- iv. 27-28 March 2017: Participated in the Translation Workshop of the UGC-DRS SAP International Conference, "Rabindranath and Cosmopolitanism", organized by the Department of English & OMEL, Visva-Bharati

Tapu Biswas

- 19-20 October, 2016: Participated in two-day International Teacher's Training Workshop on "Use of E-Resources in Higher Education" organised by Project E-QUAL, Jadavpur University.
- 27-28 March, 2017: Participated in two-day national-level Translation Workshop on "Rabindranath Tagore and Cosmopolitanism" organised by Department of English & OMEL, Visva-Bharati, Santiniketan.
- 28-31 Jan 2017 Presented a paper on "Absurdity and Shakespeare" at the 9th World Shakespeare Conference jointly organized by Shakespeare Society of Eastern India and ICCR, during 28th Jan to 31st Jan 2017

Presented a paper on "Badal Sircar and Manipuri Theatre" at the International Conference organized by Shakespeare Society of Eastern India during 26th June to 28th 2016.

On going Research Projects in the Department

Amrit Sen

- i. Co-Investigator in the UGC-UKIERI Project titled "The Scotland India Continuum of Ideas: Tagore and his Circle" jointly coordinated by Visva-Bharati and Edinburgh Napier University, Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

DRS SAP Phase-II, UGC sponsored project on Rabindranath Tagore: East West Confluence. Coordinator: Debarati Bandyopadhyay. Jt. Coordinator: Amrit Sen

Publications within the year April 2016 - March 2017

Abhijit Sen

- i) "Portia's Ring: an 'Indeterminate' Theatrical Sign in The Merchant of Venice" in an edition of The Merchant of Venice. With Introduction and Notes by Lovelina Singh. Delhi: PHI Learning Private Limited, 2017: 155-163. ISBN: 978-81-203-5309-1.
- ii) "Silences in Shakespeare", in Indian Responses to Shakespeare. Ed. Goutam Ghosal & Sarani Ghosal Mondal. New Delhi: Authorspress, 2017: 35-47. ISBN: 978-935207-527-0.
- iii) "Sweetness embittered: Ezra Pound's responses to Rabindranath Tagore", in Rabindranath Tagore and America: Overtures and Responses. Ed. Indrani Halder & Sukla Basu (Sen). Kolkata: JUSAS & Birutjatio, 2017: 43-49. ISBN: 9-788193-079782.

Amrit Sen

Books:

Sharing the Dream: The Remarkable Women of Santiniketan eds. Tapati Mukhopadhyay & Amrit Sen. Santiniketan: Visva-Bharati, 2016. ISBN 9788175226449

Confluence of Minds: The Rabindranath Tagore and Patrick Geddes Reader on Education and the Environment eds. Bashabi Fraser, Tapati Mukherjee & Amrit Sen. Kolkata: Visva-Bharati, 2017. ISBN: 9788175226500

The Scotland Enlightenment and the Bengal Renaissance: The Continuum of Ideas eds Tapati Mukherjee, Bashabi Fraser and Amrit Sen. Kolkata: Visva-Bharati, 2017. ISBN: 9788175226517.

The Bengali Chemist: Acharya Prafulla Ray and Postcoloniality. Amrit Sen and Biswanath Banerjee. Kolkata: Karigar, 2017. ISBN: 9789381640982

Santiniketan: An Introduction for Visitors eds. Amrit Sen and Anirban Sircar. Santiniketan: Visva-Bharati, 2017. ISBN: 9788175226524.

Articles in Books:

"Indian Widows and Indenture: The Experience in Mauritius" in *Insiders as Outsiders: Essays on Indian Widows and Widowhood* ed. Pradipta Shyam Chowdhury Kolkata: Levant Books, 2016. 234-44. ISBN: 978938416713.

"Nurse, Interlocutor and Filmmaker: Gretchen Green in Santiniketan" in *Sharing the Dream: The Remarkable Women of Santiniketan* eds. Tapati Mukhopadhyay & Amrit Sen. Santiniketan: Visva-Bharati, 2016. 253-262. ISBN: 9788175226449.

"The Poet's Pedagogy: Rabindranath Tagore's English Primers" in *Language Policy and Education in India: Documents, Contexts and Debates* eds M. Sridhar & Sunita Mishra. London & New York: Routledge, 2017. 184-198. ISBN: 9781138220089.

"A Complex Interface: Tagore and Burns" in *The Scotland Enlightenment and the Bengal Renaissance: The Continuum of Ideas* eds Tapati Mukherjee, Bashabi Fraser and Amrit Sen. Kolkata: Visva-Bharati, 2017. 121-134. ISBN: 9788175226517.

"The Scientist as Hero: The Fashioning of the Self in Patrick Geddes' *The Life and Work of Sir Jagadish C. Bose*" in *The Scotland Enlightenment and the Bengal Renaissance: The Continuum of Ideas* eds Tapati Mukherjee, Bashabi Fraser and Amrit Sen. Kolkata: Visva-Bharati, 2017. 199-210. ISBN: 9788175226517

Monographs

"The Angel of Surplus": Aesthetics and Pedagogy in Rabindranath Tagore's Idea of the Festivals of Santiniketan. Mauritius; Tagore Research Institute. 2016.

Articles in Journals

- i. "Widowhood and Indenture in Amitava Ghosh and Abhimanyu Unnuth", in *The Visva-Bharati Quarterly*. Vol 25. Nos 2&3. July-December 2016. 97-106. ISSN 0972043X.
- ii. "Rabindranath, Letters from Russia and a few Responses" in *The Visva-Bharati Quarterly*. Vol 25 No 1, April-June 2016. 19-32. ISSN 0972043X.
- iii. "The Kathiawar Diary: Tagore through Elmhirst's Eyes" in *Commemorative Volume of the Elmhirst Institute of Community Studies*, 2017

Ananya Dutta Gupta

- i. "This Troubled World: Bertrand Russell and the Idea of War" in *The Great War and Our Mindscapes. Centenary Essays*, ed. Fakrul Alam, Tahmina Ahmed & Zerine Alam. Dhaka writers.ink, 2017. ISBN: 978-984-8715-23-9.
- ii. "Fire and Sword: Renaissance Treatises on the Rights of War and Peace" in *Rethinking the Renaissance: Society, Politics, Culture*, eds. Anuradha Chatterji, Suparna Ghosh & Srijita

- Chakavarty. Proceedings of a UGC-sponsored Seminar. Kolkata: Department of History, Loreto College, 2017. Pp. 120-152. ISBN: 81-85861-59-52
- iii. "Left to her will by his owne wilfull blame: The reverse siege in Spenser's Faerie Queene Book Five" in *The Shakespeare Institute Review*, Vol. 3 (Spring), Birmingham: Shakespeare Institute & University of Birmingham, 2017), 38-51.
 - iv. Contributing translator of essay "Dhammapadam" in Rabindranath Tagore, *Prachin Sahitya: Annotated English Translation and Critical Essays*, ed. Nilanjana Bhattacharya & Sayantan Dasgupta. Kolkata: Visva-Bharati Granthana Bibhag, 2017. ISBN: 978-81-7522-654-8.
 - v. Contributing translator of short story "Blank Light" (Jyoti Bina Ujyalo) by Sanu Lama in *Call of the Hills: A Coursebook of Indian Nepali Literature in Translation*, Vol.1, ed. Sayantan Dasgupta & Kabita Lama. Kolkata: Jadavpur University Press, 2016. Pp.141-55. ISBN: 978-93-83660-063.
 - vi. Review of Vijay Prakash Singh, *A Day in the Life of Ghulam Sarwar and Other Stories*, Asiatic: IJUM Journal of English Language and Literature, Vol. 10, No. 2 (December 2016), ed. Mohammad C A. Quayum,
 - vii. "Right to One's Body: Thoughts on the Contemporary Female Body on Display", *Humanities Circle, International Journal of Central University of Kerala, India*, Vol. 4, Issue 02 (Winter, 2016): *Minding the Body*, ed. Prasad Pannian, ISSN: 2321-8010, 205-17.

Debarati Bandyopadhyay

"Measure for Measure: A Foucauldian Reading" *Indian Responses to Shakespeare*. Ed. Goutam Ghosal and Sarani Ghosal Mandal. Delhi: Authorpress, February 2017. pp. 200-215. ISBN: 978-93-5207-527-0.

Dipankar Roy

English Translations of Chaitali Chattopadhyay's Poetry in *Indian Literature: Sahitya Akademi's Bimonthly Journal*, March-April, 2016. Pp-54-57. ISSN: 0019580-4

"Sakuntala", English translation of Rabindranath Tagore's essay in Nilanjana Bhattacharya & Sayantan Dasgupta eds. *Prachin Sahitya*, Kolkata: CENTIL & Visva-Bharati, 2017, pp. 85 - 117. ISBN 978-81-7522-654-8.

Goutam Ghosal

Book

Edited a book with Sarani Ghosal Mandal: *Indian Responses to Shakespeare*. New Delhi: Authorpress, 2017. ISBN: 978-93-5207-527-0.

Contributed a paper in the same book entitled: "Shakespeare Through Sri Aurobindo's Lens"

Saona Barik

"The Ambivalent Perception of Kali by the British in Colonial India" in *The Visva Bharati Quarterly*, Volume-25, Number 1, April 2016-June 2016.

Saurav Dasthakur

- i. "'World-History,' 'Itih?sa,' and Memory: Rabindranath Tagore's Musical Program in the Age of Nationalism' in *The Journal of Asian Studies*. Volume 75. Issue 02. May 2016: 411 - 432. DOI: 10.1017/S0021911815002089.

- ii. Book review of Ruth Vanita, ed. *India and the World: Postcolonialism, Translation and Indian Literature in Asiatic*. Vol. 10, No. 1, June 2016: 279-284.
- iii. "Class, Rural Representation, and the Politics of Amnesia in George Orwell's *A Clergyman's Daughter*." *The Atlantic Critical Review*. Vol. 15. No. 1-2. June 2016: 1-13.
- iv. "The Useless and the 'Wonderful': Work, Leisure and Being 'at home in Modernity' in the Music of Rabindranath Tagore" in K. L. Tuteja & Kaustav Chakraborty eds. *Tagore and Nationalism*. New Delhi: Springer, 2017. 337-359.

Somdatta Mandal

Articles:

"What Diaspora? Whither Diaspora? Some Random Questions, Answers and Ruminations" in *South Asian Diaspora: An Anthology of 21st Century Criticism*. Eds. Ajay K Chaubey & Prakash C. Pradhan. Jaipur: Rawat Publications, 2016.

"Male Ranis' in Bengali Jatra" in *Androgyny and Female Impersonation in India: NariBhav*. Eds. Tutun Mukherjee & Niladri R. Chatterjee. New Delhi: Niyogi Books, 2016: 93-114. ISBN: 978-93-85285-46-2

"The Globalized Diasporic Voices from Across the Pacific and the Blue Silk Girdle: An Overview" in *Asian Literature in English: Identity and Survival*. Eds. Shubha Mishra and Urmila Dabir. New Delhi: Prestige Books International, 2017: 262-70.

Translation of Sarat Chandra Chattopadhyay's short story "Recollections of Deoghar" in *8th Day: The Sunday Statesman*, 17 April, 2016:3.

Translation of Mahasweta Devi's short story "The Arrow" in *8thDay:The Sunday Statesman*, 11 September, 2016 : 3.

"Bangla Jatray Purush Rani". *Birutjatiyo Patrika [Rangamancha Sankhya]* Vol. 4.1, 2017: 9-23.

Reviews:

"A Culturally-Embedded Complex Text." Review of Rabindranath Tagore *GORA: A Critical Companion* Edited by Nandini Bhattacharya. New Delhi: Primus Books, 2015 in *The Book Review* Vol. XL, No.4, April 2016: 10-11.

Review of Kaiser Haq's *The Triumph of the Snake Goddess* in *Asiatic Online Journal* Vol. X, No.1, June 2016: 273-74.

"Across three generations" Review of Chitra Banerjee Divakaruni's *Before We Visit the Goddess* in *The Statesman 8th Day*, 24 July 2016.

"From Italian to English." Review of Jhumpa Lahiri's *In Other Words* in *The Statesman 8th Day*, 31 July, 2016.

"The 'Implausible' and the 'Fantastic'". Review of Trailokyanath Mukhopadhyay's *Kankabati*. Translated and edited by Nandini Bhattacharya. *The Book Review* Vol. XLI No.1. January 2017: 19-20.

Review of *Revisiting India's Partition: New Essays on Memory, Culture and Politics* edited by Amritjit Singh, Nalini Iyer and Rahul Gairola in *The Statesman 8th Day*, 30 October, 2016.

Review of *Twenty-Two New Asian Short Stories* edited by Mohammad A. Quayum in *ASIATIC* Vol. 10.2 (December 2016): 252-55.

Review of *Great Fortune Dream: The Struggles and Triumph of Chinese Settlers in Canada 1858-1966* by David Chuenyan Lai & Guo Ding in *ASIATIC* 10.2 (December 2016): 301-4.

Review of Kohinoor: The Story of the World's Most Infamous Diamond by William Dalrymple and Anita Anand in 8th Day: The Sunday Statesman, 22 January, 2017.

Review of 7 books on Rabindranath Tagore in The Book Review Vol. XLI No.3, March 2017.

"The prophetic, the literary and the anniversary." Review of Gitanjali Reborn: William Radice's Writings on Rabindranath Tagore. Edited by Martin Kampchen in 8th Day: The Sunday Statesman, 26 February, 2017. 3.

"Multiple translations of Premchand." Review of Premchand in World Languages: Translation, Reception and Cinematic Representations edited by M.Asaduddin in 8th Day: The Sunday Statesman, 5 March, 2017. 3

Stuti Mamen

"Monkey See, Monkey Who: Grasping the Loss of a Nobody's Identity in 'Sudershan (Chimpanzee)'" in the Tetso Interdisciplinary Journal Vol. IV, ISSN: 2319-2925.

"Taming the Taming of the Shrew : Understanding Mad Petruchio and His Wife" in Yearly Shakespeare Vol. XIV, ISSN: 0976-9536.

"Dirtiest of Them All: Determining the Popular, the Elite, and the Marginal in the Indian English Literary Scene" in The Visva-Bharati Quarterly, ISSN: 0972-043X.

Sudev Pratim Basu

"The Premised Land: The Problematic of Public Space in Karukku, Vanmam and Joothan", in Srideep Mukherjee ed. Living the Postcolonial: Indian Literature in Perspective. Kolkata: Netaji Subhas Open University & Gangchil, 2016, pp. 381 - 402. ISBN: 978-93-84002-93-0.

Swati Ganguly

"The Power of the Unruly Woman in The Winter's Tale" in Critical Imprints, Vol V, 2017, Department of English, Loreto College, Kolkata, pp.115-131. ISSN: 2319-4774.

Tanuka Das

"Transvestism or Expediency : A Study of Three Comedic Heroine of Shakespeare" in Indian Responses to Shakespeare, edited by Goutam Ghoshal & Sarani Ghoshal. Delhi: Authorpress, 2017. 238-255.

Tapu Biswas

"Badal Sircar's Evam Indrajit and Baki Itihas : Absurdist Elements à la Western Absurdist Genre" in Visva-Bharati Quarterly. Visva-Bharati. April 2016. Pp-105-116. ISSN-0972-043X.

"Badal Sircar's Evam Indrajit in English Translation and Performance: a Researched Media Survey" in International Journal of Culture Studies and Social Sciences. Vol. IV.VII, Avantgrade Press, 2016. 43-81. ISSN-2347-4777.

"Badal Sircar, the Rebel Maverick of Indian Theatre and the theme of Spartacus" in International Journal of Culture Studies and Social Sciences Vol. III.VI. Avantgrade Press. pp. 42-57. ISSN: 2347-4777.

"New Lines in Bangladeshi Writing in English: The Poetry of Shamsad Mortuza" in Department of English Journal. Banaras Hindu University.

"Evam Indrajit - And [one more] Indrajit: Role of Hindi Translations and Productions in Popularising Badal Sircar throughout India" in The Atlantic Review Quarterly. Vol, XVI.III. July - September 2015. ISSN-0972-3269.

"Muderers in the Plays of Shakespeare" in Theatre International, vol. ix Avantgrade Press pp.22-27.2017. ISSN- 2278-2036

Designing New Course/Curriculum or any other teaching innovations introduced by the Department. New course has been introduced and presently is running in the department for the students of B.A. and M.A.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with and indication of the future plans for development.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

A. Departmental Initiatives:

- i. The Department has organized an Exhibition of Photography for two days by Students of Visva-Bharati & Symposium on Photography on 19th and 20th August, 2016.
- ii. The Department has organized "An Interactive Session with Professor Saikat Majumdar", the author of The Firebird on 09.01.2017, and "A Talk by Professor Saikat Majumdar, Professor of English and Creative Writing, Ashoka University, New Delhi, on 10.01.2017. Interlocutor : Ananya Datta Gupta
- iii. The Department has celebrated International Women's Day on 8 March 2017 with posters, presentation shows and performances. The students of the Department of English participated under the guidance of Dr. Swati Ganguly.

Others

Abhijit Sen

Others

External Member, Departmental Research Committee, Department of English, Kalyani University

External Member, PhD Committee, Department of English, West Bengal State University

External Member, UG Board of Studies in English, Calcutta University

External Member, PG Board of Studies, Department of English, Burdwan University

External Member, PG Board of Studies, Department of English, Kazi Nazrul University

External Member, PG Board of Studies in English, Diamond Harbour University

Debarati Bandyopadhyay

External Member, PG Board of Studies, Tripura Central University.

Saurav Das Thakur

4-5 July, 2016: Delivered four lectures on The Outsider for MA (Sem. IV) students at the Department of English, Gour Banga University.

20-21 December, 2016: Delivered four lectures each on Gulliver's Travels for MA (Sem. II) and Murder in the Cathedral for MA (Sem. IV) students at the Department of English, Gour Banga University.

Tanuka Das

February 2017. Joined IGNOU as Counsellor

Tapu Biswas

Delivered an speech on "Badal Sircar and third Theatre" at Dum Dum Library on 17th January 2017.

DEPARTMENT OF HINDI

The study of Hindi language and literature became an important and integral part of the then Vidya-Bhavana, the centre of higher learning of Visva-Bharati in 1938. The Programme of Hindi studies was drawn up under the able guidance of Pandit Hazari- Prasad Dwivedi. The foundation of Hindi-Bhavana was laid down by C.F. Andrews, Kshitmohan Sen and the tireless endeavour of Banarasidas Chaturvedi on 31st, January, 1939. The study of Medieval Hindi Literature and saint-literature were of great interest to poet Rabindra Nath Tagore. Kshitishmohan Sen, himself a veteran scholar of saint lore lent his active effort to this end. At present this Department of learning is carrying on research on Medieval and Modern literature, Comparative literature and Rabindra literature in Hindi translation, besides under graduate and Post Graduate studies in Hindi Literature and Language.

Departmental Seminar

1. Devakinandan Srivastava endowment lecture was held in the Department on 7th March, 2017. Prof. Ramdeo Shukla of Gorakhpur, U.P. delivered The lecture on the topic 'Hindi Sahitya ka Bhaktikal'. Prof. Kailash Patnayak, the Principal of Bhasha-Bhavana chaired the endowment lecture programme.
2. 'Tulsi Jayanti' an annual literary lecture cum cultural programme was organized in the Department on 12th August, 2016 on the topic 'Tulsidas ki Prasangikata', the chief orators from outside were Prof. Ravibhushan Prof. Krishna Murari Mishra, Prof. Biswanath Prasad and Prof. Virendra Narayan Yadav.
3. Hindi Diwas celebrations of two days were held in the Hindi-Bhavana premises on 14th & 15th September, 2016. The main function was addressed and inaugurated by his highness, the Governor of Tripura Sri Tathagato Roy. The function was also shared by the following dignitaries : Prof. Balram tiwari, Prof. Harimohan Sharma, Dr. Manjula Sharma, Dr. Subrato Lahiri, Prof. Sudhendu Mondal, Prof. Sabujkali sen, Prof. Biplob Lohachoudhary, Prof. Soumen sen, Prof. sumit Basu, Prof. J.B. Pandey, shri Ranvir Bhagwan etc. Respected vice-chancellor and Principal of Bhasha-Bhavana were present on several sessions of the function. A cultural programme was followed in the last session where students of Hindi-Bhavana, Patha-Bhavana & Siksha-Satra presented cultural performances. Winners of the several competitions were given certificates. Prof. M. Sheshan of Chennai was the chief guest of the function who was honored with a citation and a shawl.
4. The Department organized a two day long National seminar on the centenary of poet-writer Gajanan Madhav Muktibodh (1917-1964). A few orators were Prof. Vijay Bahadur Singh, Prof. Shambhunath, Prof. Bahadur Mishra.

CONFERENCE / SEMINAR / WORKSHOP ETC.

Harishchandra Mishra

'Lok Sahitya Aur Mulya' entitled lecture delivered at the Department of Hindi, Deen Dayal Upadhyay University, Gorakhpur (U.P.) on 14th March, 2017. Chaired one of the session on 15th March, 2017

Rameshwar Prasad Mishra

- (i) Delivered a Radio Talk on 'Bidrohi Kavi Nazarul' on All India Radio on 01.06.2016.
- (ii) Delivered Lecture in a National Seminar 'Tulsi ki Prasangikta' in Department of Hindi, Visva-

Bharati on 12.08.2016.

- (iii) Delivered a Lecture in a National Seminar on 'Rajbhasha Hindi Dasha aur Disha' in Department of Hindi, Visva-Bharati on 14.09.2016.
- (iv) Delivered Presidential address in Golden Jubilee celebration of Akhil Bharatiya Sahitya Parishad at Bolpur on 18.11.2016. Shri Kesharinath Tripathi, Honb'le Governor of west Bengal was chief Guest of the programme.
- (v) Delivered a Lecture as chief Guest at Barabazar Library, Kolkata on the occasion of its foundation day and Nirala Jayanti on 01.12.2017.
- (vi) Delivered a Lecture in a International Conference on Comparative Literature : At he crossroads of culture and society' at Visva-Bharati on 07.03.2017.
- (vii) Presided the Inaugural session of National Seminar on 'Comparative Literature' at Vidyasagar University, Midnapur on 21.02.2017.
- (viii) Delivered a Lecture on 'Bhartiya Sahitya aur Rabindranath' at Orientation programme on 'Rabindranth and his my raid creativity' at Visva-Bharati on 26.03.2017.
- (ix) Presided a session in a National Seminar 'Bharatiya Samajbodh aur Mukhtibodh ki Rachnadharmita' at Department of Hindi, Visva-Bharati on 30.03.2017.

Manju Rani Singh

- (i) Delivered a lecture on 'Lok kala aur Loksanskriti ke vikas me 'Nabard' ka Yogdan" in a seminar on 8th February, 2017 organized by 'Nabard' organization, Bolpur in Sriniketan Mela.
- (ii) Delivered a lecture on 'Aadivasi' Jivan aur sahitya in a short term course in "Subaltern literature" for professional development of teachers of different university and colleges on 23rd March, 2017, organized by Calcutta University, Kolkata.
- (iii) Delivered a lecture on 'Muktibodh ki SamajDharmita' in a seminar on 31st December, 2016 organized by 'Mahadidya' a cultural organized on the occasion of 16th Devghar Pustak Mela.
- (iv) Convened a National Seminar on birth centenary of Poet Muktibodh on 30-31st March, 2017 in Hindi-Bhavana, Visva-Bharati.

Chakradhar Tripathi

- (i) Presented a paper on मुगल शासकों का साहित्य प्रेम in an International Seminar-Development of art, Literature, Culture & science under the Mughals in India, 29-30 March, 2017 organized by the dept. of Arabic, Under & Islamic Studies, Visva-Bharati, Venue-Lipika on 30.03.2017.
- (ii) Presented a paper on सामाजिक सांस्कृतिक सन्दर्भों में गीता का रामचरितमानस पर प्रभाव in an International Seminar-Socio-cultural Signification of Srimad Bhagavad Geeta, 8-10, January, 2017 organized by the Dept. of Sanskrit, Pali & Prakrit, Viva-Bharati, Venue conference Hall, Bhasha-Bhavana Building on 10.01.2017.
- (iii) Presented a paper on रामचरितमानस में आदिवासी विमर्श and also chaired session In an International seminar-Tribal Tradition and Community Identity, 2-4 March, 2017 organized by the centre of excellence under the dept. of Odia, V.B., venue- conference Hall, Bhasha-Bhavana Bulilding on 02.03.2017.
- (iv) Presented a paper on रामचरितमानस में आदिवासी-अस्मिता in a National seminar-Tribalism and Sanskrit Literature, 22-22 January, 2017 organized by the Dept. of Sankrit, Pali & Prakrit, Visva-Bharati, Venue-conference Hall, Bhasha-Bhavana Building on 21.01.2017.

- (v) Presented a paper on रवीन्द्रनाथ का राष्ट्र चिंतन in a National Seminar- पूर्वोत्तर भारत के हिन्दी साहित्य में राष्ट्रीय तत्व, 27-29 मार्च, 2017 organized by the dept. of Hindi, Mizoram Central University and surya Sansthan, Noida, 27-29 March, Venue-Conference Hall, Mizoram Central University on 28.03.2017.
- (vi) Presented a paper on जन-शिक्षा-कार्यक्रम एवं महिला-आचार-शास्त्र in a National Seminar -Development of Khadi and Village industry organized by the dept. life long learning and extension, PSV, Sriniketan, Visva-Bharati Venue- Conference Hall, Sriniketan on 07.03.2017.
- (vii) Presented a paper on पोथी एवं संपादन-कला and also delivered the Presidential Address in both inaugural and valedictory session of a national workshop, Manuscriptology and Paleography, 4-24 March, 2017 organized by the dept. of Sanskrit, Pali & Prakrit, V.B. Venue-Lipika, Visva-Bharati on 06.03.2017.
- (viii) Presented a paper on राजभाषा हिन्दी a national seminar राजभाषा की चुनौतियां एवं संभावनाएं organized by the Saha Institute of Nuclear Physics, Kolkata on the occasion of हिन्दी दिवस, Venue-Conference Hall, SINP, Kolkata on 14.9.2017.

Mukteshwar Nath Tiwary

- (i) Delivered a lecture on the topic 'Rahul Sankrityayan ki Sahitya Sadhana' on 9th April, 2016 at Varanasi on the eve of 'Rahul Jayanti' commemorated by Rahul Shodh Sansthan, Varanasi.
- (ii) Chief guest speech on the topic 'Kavita Mein samaj' Science Auditorium, Burdwan on 22nd April, 2016, duly Organized by Literary Forum 'Manzil Group'.
- (iii) Presided over a session of 'Rajbhasha Diwas' held at Hindi-Bhavana, Visva-Bharati on 15th September, 2016.
- (iv) Delivered a lecture on the topic 'Muktibodh ki Alochana-Drishti' in a National Seminar held at Rabindra Bharati University, Kolkata on 23rd March, 20107.
- (v) Presided over a session of a National seminar Organized by Kalyani University on 30th March, 2017 on the topic 'Samkalin Hindi Kavita'.

Sakuntala Mishra

- (i) Delivered welcome address in a National Seminar on 'Tulsi ki Prasangikta' at Department of Hindi, Visva-Bharati on 12th August, 2016
- (ii) Delivered welcome address in a National Seminar on 'Rajbhasha Hindi Dasha aur Disha' at Department of Hindi, Visva-Bharati on 14th September, 2016. Shri Tathagata Roy, Honb'le Governor of Tripura was chief Guest of the programme.
- (iii) Delivered a Radio talk on 'Bhartiya sahitya' on All India Radio on 20th March, 2017.
- (iv) Delivered welcome address in a National Seminar on 'Bhartiya Samajbodh aur Muktibodh ki Rachnadharmita' at Department of Hindi, Visva-Bharati on 30th March, 2017.

Rabindranath Mishra

- (i) Delivered a talk in an International Seminar on yoga, Buddhist, and Ancient, Indian Systems one the topic "Yoga : Buddhist and other Ancient Indian Systems and its influence in ancient Hindi literature" organized by the centre for Buddhist studies, Visva-Bharati and the Dept. of Sanskrit, Pali & Prakrit Dept. Visva-Bharati Santiniketan on 19.6.2016
- (ii) Attended a Inter National Workshop on Gaudiya Baisnabisim and Delivered a lecture

- on "Gaudiya Baishab Sahitya ka Hindi Sahitya Par-Prabhab" organized by the Dept. of Sanskrit, Visva-Bharati, Santiniketan during 19th to 26th July, 2016.
- (iii) Delivered a lecture on "Srimad Bhagabatgeeta mein Bhakti : Samajik evam Sanskritik Sarokar in International Seminar on Socio cultural Significance of Srimad Bhagabatgeeta " organized by the Dept. of Sanskrit of Visva-Bharati, Santiniketan during 8th & 4th January, 2017
 - (iv) Attended a National Seminar on "How culture, religion and Commerce go to hand to hand" organized by the Department of Journalism - and mass communication, Visva-Bharati Santiniketan on 23rd July, 2016 .
 - (v) Delivered a talk on the topic "Tulsi ki Prasangikta" in a National Seminar on Tulsi ki Prasangikta held at Visva-Bharati in the dept. of Hindi on 12th August, 2016.
 - (vi) Presented a paper in a National seminar on "Rajbhasha Hindi Dasa Evam Disha" held by the Dept. of Hindi, Visva-Bharati, Santiniketan on 14th-15th September, 2016.
 - (vii) Attended 48th session of All India oriental conference held at Haridwar and presented a paper on the topic "Purv Bharat mein Bhakti ki dhara, Odissi Bhakti aur Shree Jagannath" organized by the Uttarakhand Sanskrit University & University of Patanjali during 12-14, October, 2016
 - (viii) Delivered a lecture in a National Seminar on the topic "Anuvad Atit Aur Vartaman" organized by Chandwar college, Chandwar cut-tack, Odisha by the Dept. of Odia on 29th November, 2016.
 - (ix) Attended and Presented a paper in a National Seminar on by the NBT & the Dept. of Sanskrit, Visva-Bharati, Santiniketan during 20th & 22nd January, 2017.
 - (x) Attended and Presented a paper in a National Seminar on 'Hindi Kahani Sausal Purani' Organized by the Dept. of Hindi, Sambalpur University, Odisha on 17th February, 2017.
 - (xi) Attended and Presented a paper on the topic 'Language and Linguistics' with focus on classical languages to the contact of Hindi language and literature at Utkal University of culture, Bhubaneswar, Odisha on 18th February, 2017
 - (xii) Presented a paper in a National Seminar on the topic 'Tulanatmak Hindi Dasha aur Disha' organized by the Dept. of Hindi, Vidyasagar University, Midinipur, W.B. during 21 & 22 February, 2017.
 - (xiii) Delivered a lecture in a National Seminar as a chief speaker on the Topic 'Hindi Gumsuda Upanyason ki Talash' organized by Dept. of Hindi, Vidyasagar University, Medinipur, W.B. during 23rd March, 2017.
 - (xiv) Presented a paper on the topic 'Muktibodh ke Kavya mein Manavwad' in a National Seminar on Muktibodh organized by Dept. of Hindi Visva-Bharati, Santiniketan during 30 & 31 March, 2017.
 - (xv) Delivered a talk on the topic 'Vartaman Pariprekshi mein Hindi ki Dasa Aur Disha' at Hindi Teachers Training Institute, Cuttack, Odisha on 21st September, 2017.
 - (xvi) Delivered two lectures on the topic 'New Harizon in Indian Language and literature to the context of Hindi language and literature in a Refresher Course programme organized by the Dept. of Sanskrit, Utkal University, BBSR. Odisha during 26 & 27 September, 2017.

Subhash Chandra Roy

- (i) 'Tulsi Jayanti', Hindi-Bhavana, Visva-Bharati "Tulsidas ki Prasangikta" on 12th August, 2016.
- (ii) "Karn Utsav, Mavalankar Hall, New Delhi "Rashmirathi aur Samajiknyay" on 15th August, 2016.
- (iii) "Rashtraprem Utsav", Tagore Theater, Chandigarh 'Sanskritik Bharat ke Nirman me Swami

- Vivekananda ka Yogdan'on 11th September, 2016.
- (iv) "Hindi Diwas", Hindi-Bhavana, Visva-Bharati 'Rajbhasha Hindi ki Chunautiyan' during 14th-15th September, 2016.
 - (v) "Pakhwaada", Mukhya Atithi, Wyagyanik Tatha Udhogik Anusandhan Parishad, Dhanbad on 28th September, 2016.
 - (vi) "Deoghar Pustakmela", Deoghar, Jharkhand'Yugbodh ke Kavi Muktibodh' on 22nd-24th December, 2016.
 - (vii) 'Yuva Mahotsav', Maharshi Dayanand University, Rohtak, Haryana during 12th - 14th January, 2017
 - (viii) "Rashtraprem Utsav", Rabindranatya Mandir, Mumbai ' Sanskritik Bharat ke nirman mein swami Vivekananda ka yogdan'on 24th March, 2017.
 - (ix) "Muktibodh janm-shatabdi samaroh", Hindi-Bhavana Visva-Bharati aur Unka Sahitya Darshan' during 30th 31st March, 2017

Jagadish Bhagat

- (i) Active participation in 'Tulsi Jayanti Celebrations' in the Department of Hindi, Visva-Bharati on 12.08.2016.
- (ii) Active participations in 'Hindi Diwas Samaroh' in the Department of Hindi, Visva-Bharati, 14-15 September, 2016.
- (iii) Active participation in the National Seminar on Muktibodh in the Dept. of Hindi, Visva-Bharati on 30th & 31st March, 2016.
- (iv) Participation in Refreshers' Course (Jan 4, 2017 to Jan. 24, 2017) Academic staff college, Ranchi.

Arjun Kumar

- (i) Delivered a lecture on the topic 'Rajbhasha Hindi' in a National Seminar held at Visva-Bharati Hindi-Bhavana Santiniketan on 14-15 September, 2016.
- (ii) Delivered a lecture on the topic 'Muktibodh ki Kavya-Drishti' in a National Seminar held at Visva-Bharati, Hindi-Bhavana, Santiniketan on 30-31 March, 2016.

PUBLICATION

BOOKS / ARTICLES

Harish Chandra Mishra

Book :

'Bawandar ke Bhoot' (Memoir sketches), vol.II, Bodhi Prakashan, Jaipur, October, 2016, ISBN: 973-93-86253-36-1

Articles :

- (i) 'Vaigyanik Sahitya ke Anuwad ki Prakriya evam Tajjanit Samasyayen' / Swadhinata/ Shardiya visheshank-2016
- (ii) 'Poorvanchal Mein Vivah-Sanskar'/ Choumasa/ Joint volume-2016 Madhyapradesh Sanskriti Parishad, Bhopal, ISSN: 2449-5479.
- (iii) Bans : 'Manav Sambandh ke Vividh Sandarbha'/ Chaumasa/ vol-102, Nov. 2016-Feb. 2017, Madhyapradesh Sanskriti Parishad Bhopal/ ISSN : 2449-57-479.
- (iv) Odiya Kavi Gangadhar Mehare ki Rachanadharmita: Tapaswini ke Visesh sandarbh Mein/ Aksar/April-January-2016, ISSN: 2278-2338.

- (v) 'Kaheri Nalini tu Kumhilani'/ Gaveshana/ vol-108/2016 Kendriya Hindi sansthan, Agra/October-December, 2016 ISSN: 0435-1460.

Mukteshwar Nath Tiwary

Articles :

- (i) 'Stri Swabhav ke Satyapan ki Kahaniyan'/ Vagartha/ Kolkata/ vol. 249, April, 2016
(ii) 'Kavita Sabse Pahle Shabd Hai : Anjeya'/ Muktanacha/ Howrah/ vol. 9, July, September,2016/ ISSN 2350-1065
(iii) Consecutive three editorials in 'Visva-Bharati Patrika'/ Santiniketan/ vol. 65, 66 & 67/ ISSN 2348-4977

Sakuntala Mishra

Article :

'Bhartiyata ki Pahchan' - 'Gaveshna', No./08/2016, Pt. Vidyanivash Mishra Spl. Issue, chief Editor : Dr. N.K. Pandeya, Kendriya Hindi Sansthan, Agra/October-December, 2016, ISSN : 0435-1460

Rabindranath Mishra

Articles :

- (i) Karyalayeen Hindi me Suchana Evam Prodyogiki ki Bhumika/ Vartavahak-vol. 185, August,2016 ISSN 2321-8789
(ii) 'Manabvadi Kabi Rabindranath' - Vartavahak - vol. 195, March, 2017 ISSN 2321-8789

Subhash Chandra Roy

Books :

- (i) 'Dinkar ke kavya mein itihaas awam raajiniti' Pratham Sanskaran (2017) ISBN - 978-93-82482-05-5 Prakashan-gourav book distributors, New Delhi
(ii) 'Saraswati ke Waradputra Dr. M. Govinderrajan' Pratham Sanskaran (2017) ISBN-978-93-83355-32-7 Prakashan Bhasha Sangam, Allahabad

Jagadish Bhagat

Articles :

- (i) 'Muntazir ki Aatmakatha': Ek Sameeksha' Tista Himalaya/ August, 2016, Editor : R.P. Singh, Siliguri
(ii) 'Lok' Lokkala Evam Lokgeet'/ Aksar/ July, 2016 Jaipur.ARJUN KUMAR

Article :

Sansmaran ki Bari Lakir/ Visva-Bharati Patrika/ July, 2016 to September, 2016 vol. 2

Academic Dictinction

Manjurani Singh

- (i) Member of editorial Board of a literary Magazine 'Sablog' Published by the editor Kishan Kaljayee, Rohini, Delhi, ISSN2277-5897.
(ii) Member of editorial Board of Research Magazine 'Shodh-Nikash' editor Prof. Satish Roy, 'Muzaffarpur, Bihar,' ISSN-2249-4022.
(iii) External member of B.O.S, Kalyani University.

Chakradhar Tripathi

सूर्यांतर्वासी भाषा सम्मान - 2017 conferred सूर्य सम्मान, noida,(साहित्यिक-सांस्कृतिक सामाजिक-संस्था) venue-
आइजल (मिजोरम) on 29th March,2017.

Rabindranath Mishra

Awarded the Ganga Saran Singh Hindi award by the President of India at Rashtrapati Bhavana,
Delhi for the contribution to Hindi Language and Literature as a while ON 19th April, 2017.

Subhash Chandra Roy

Pandit Dindayal Upadhyaya Shatwarshiki Sahitya evam Samaj Sevi-Ratna 25, September,2016.

DEPARTMENT OF SANSKRIT, PALI & PRAKRIT

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations.

- | | |
|--------------------------|-----|
| 1. Shilpa Jash | JRF |
| 2. Prasenjit Sarkar | JRF |
| 3. Sangita Mondal | NET |
| 4. Subharanjan Mukherjee | NET |
| 5. Mili Saha | JRF |

Departmental Seminars

1. 19-26 July, 2016 : International Workshop on Gaudiya Vaisnavism, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
2. 19th to 21st June, 2016: International Seminar on Yoga: Buddhist and Other Ancient Indian Systems organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 8th to 10th January, 2017: International Seminar on Socio-Cultural Significance of Srimad Bhagavad Gita organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
1. 20-22 January, 2017 : National Seminar on 'Tribalism and Sanskrit Literature', Financial Assistance National Book Trust, India organized by Department of Sanskrit, Pali & Prakrit, Bhasha-Bhavana, Visva-Bharati.
2. 04 - 24 March, 2017: National Workshop on Manuscriptology and Palaeography, organized by our Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan with Financial Assistance from National Mission for Manuscripts, New Delhi & Raja Ram Mohan Roy Library Foundation, Kolkata.

Only International & National Conferences /Seminars/Workshop/Exhibition etc. attended and by Teachers / Research Scholars in details.

Narottam Senapati

International Seminar

- 19th to 21st June, 2016: Presented a paper entitled "Buddhist Meditation and Tantric System", International Seminar on Yoga: Buddhist and Other Ancient Indian Systems organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan
- 19-26 July, 2016 : Talked as an invited speaker in Inauguration, International Workshop on Gaudiya Vaisnavism, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
- 8th to 10th January, 2017: Chaired an International Seminar on Socio-Cultural Significance of Srimad Bhagavad Gita organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
1. 07.12.2016 : Attended a National Seminar at Shailabala Women's College, Cuttack, Odisha, as Chief-Guest.
 2. 23.03.2017 : Acted as Chief Speaker in a National Seminar on Career and Modern Research for Sanskrit Students in S.J.S.V.V, Puri, Odisha.
 3. 25.03.2017 : Acted as one of the Resource Persons in a National Seminar on 'Pratyaksa Tatkarani

ca' in S.J.S.V.V., Puri, Odisha.

4. 29.03.2017 : Spoke as Chief Speaker in a National Seminar on 'The Gita and Management' at Ravenshaw University, Cuttack, Odisha.

Arun Kumar Mondal

1. 19th to 21st June, 2016: Delivered a lecture on "Yoga-Goraksanatha and Bengal Tradition" International Seminar on "Yoga: Buddhist and Other Ancient Indian Systems" on 20.06.2016, organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
2. 19-26 July, 2016 : Delivered a lecture on "Gaudiya-Vaisnava-Rasatattva" in the International Workshop on "Gaudiya-Vainavism" on 21.07.2016, organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 8th to 10th January, 2017: Delivered a lecture on "The Ultimate Massage of the Gita" in the International Seminar on Socio-Cultural Significance of Srimad Bhagavad Gita on 08.01.2017, organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
1. 04 - 24 March, 2017: Delivered a lecture on "Stages of Higher Criticism" in the National Workshop on Manuscriptology and Palaeography on 22.03.2017, organized by our Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan with Financial Assistance from National Mission for Manuscripts, New Delhi & Raja Ram Mohan Roy Library Foundation, Kolkata.

Lecture

1. 05.12.2016 : Delivered a special lecture on "Fundamentals of Sanskrit Grammar" at Purnidevi Chowdhury Girls' College, Bolpur, Birbhum, West Bengal.
2. August 2016 : Delivered a lecture on "Lapsana in Sanskrit Poetics" in the Department of Odia, Visva-Bharati, Santiniketan.
3. 03.07.2016 : Delivered two special lectures on "Sabda in the Vakyapadiya & Sabda in the Paramalaghumanjusa" at Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal.

Lalita Chakraborty

National Seminar

- 19.11.2016 : National Seminar on 'The Sanskrit Literature in the Light of Philosophy : from Source to Modernijation, at Rampurhat College, Birbhum, West Bengal.
- 23rd and 24th May, 2016: Special Lecture on 'Patanjal Yogadarsanam', P.G. Department Acharya Brajendranath Seal College, Cooch Behar, W.B.
- 25th and 26th May, 2016: Special Lecture on 'Pancopasana', P.G. Department Acharya Brajendranath Seal College, Cooch Behar, W.B.
- 09th December, 2016: Special Lecture on 'Modern Trends in Sanskrit Literature', M.U.C. Women's College, Burdwan, W.B.

Arun Ranjan Mishra

- 19-21 June, 2016 : 'Yoga in Buddhism' paper presented in the International Seminar on 'Yoga: Buddhist and Other Ancient Indian Systems', organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
1. 08-10 January, 2017 : 'Work-Culture in Bhagavad-Gita' paper presented in the International Seminar on 'Socio-Cultural Significance of Srimad Bhagavad Gita' organized by the Department

of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.

1. 09-10 April, 2016 : "The Story of Uma Haimavati in Kenopanisad as Illucidated in Devi Bhagavata", paper presented in the National Conference on "Puranic Literature" organized by Academy of Yoga and Oriental Studies, Bhubaneswar, Odisha.
2. 27-28 August, 2016 : "Definition of Poetry in Modern Sanskrit Poetics" paper presented at the UGC Sponsored National Seminar on 'A Survey of Sanskrit Poetics: Modern Dimensions' organized by U.N. Autonomous College of SC. & TECH., Adaspur, Cuttack, Odisha,.
3. 10-11 September, 2016 : "Abhinavagupta's Exegesis on The Theory of Intonation (Kaku)" paper presented at the National Seminar on Abhinavagupta at Sanskrit-Vidya-Dharma-Vijnana-Samkay, BHU, Varanasi.
4. 26-27 October, 2016 : "Vyasa and Sri Aurobindo on the Episode of Savitri - A Brief Note" paper presented at National Seminar on 'Sanskrit and Sri Aurobindo' organized by Sri Aurobindo Foundation for Indian Culture (SAFIC), Sri Aurobindo Society, Pondicherry.
5. 12-14 November, 2016 : 'Yoga in Buddhism : Mahayana-sutralankar', paper presented in 48th Session of All Indian Oriental Conference, Haridwar.
6. 20-22 January, 2017 : 'Tribalism in Vedic Literature' paper presented at the National Seminar on 'Tribalism and Sanskrit Literature' organized by National Book Trust, India at Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
7. 30-31 January, 2017 : 'Creative Arts of Odisha', paper presented at the National Seminar on "Indian Arts Enshrined in Textual Traditions: with Special Reference to Odisha" held at Utkal University, Bhubaneswar, Odisha organized by Indira Gandhi National Centre for the Arts, New Delhi.

Invited Lectures:

1. Presided over a session (10.04.2016) in the National Conference on "Puranic Literature", organized by Academy of Yoga and Oriental Studies, Bhubaneswar, Odisha.
2. Presided over Valedictory Ceremony (21.06.2016) of the International Seminar on "Yoga : Buddhist and Other Ancient Indian Systems" (19-21 June, 2016), Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. Delivered lecture as a resource person in the Refresher Course organized by UGC Human Resource Development Centre, BHU Varanasi on "Rigvedic Theory of Creation" on 23.06.2016.
4. Delivered lecture as a resource person in the Refresher Course organized by UGC Human Resource Development Centre, BHU Varanasi on "Rigveda and Big Bang Theory" on 24.06.2016.
5. Presided over Valedictory Ceremony (26.07.2016) of International Workshop on Gau-?ya-Vaisnavism (19-26 July, 2016), Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
6. Delivered eight lectures on "Darsanopanishad" in the National Workshop (01-12 August, 2016) on 'Yogo Bhavati Dukhaha' - Level II held at Chinmaya International Foundation Shodha Sansthan, Veliyanad, Kochi, Kerala from 07-10 August, 2016.
7. Delivered lecture as a resource person in the Refresher Course organized by Utkal University, Bhubaneswar on 28.09.2016 on the topic "Creativity and Literary Criticism".
8. Delivered lecture as a resource person in the Refresher Course organized by Utkal University, Bhubaneswar on 28.09.2016 on the topic "Image: A new approach in the Literature of East and West".

9. Delivered key note address in the Inaugural Ceremony of the UGC Sponsored National Seminar (28-29 November, 2016) on áabda-áakti, D.K. College, Jaleswar, Odisha.
10. Delivered key note address in the Inaugural Ceremony of the UGC Sponsored National Seminar (04-05 December, 2016) on Women in Sanskrit Literature, Mahapurusa Hadidas Mahavidyalaya, Cuttack.
11. Chaired a session in the All Bengal Sanskrit Lovers' Association's State Sanskrit Conference held on 12-13 December, 2016 at Moulali Yuva Kendra, Kolkata.
12. Spoke on 'The Concept of Pitri in the Vedic Literature' as the Chief Speaker in the Inaugural Ceremony of the National Seminar (28-29 January, 2017) on 'The Concept of sraddha in Aryan Culture' held at the Gopalpur College, Balasore, Odisha.
13. Delivered key note address in the Inaugural Ceremony of the International Conference on Indian Dramatic Traditions: Theory and Practice, 16-18 February, 2017, Centre of Advanced Study in Sanskrit, Pune University, Pune.
14. Talked on 'Exegesis of Vatsyayana on Gautama's Nyaya-Sutras - An Overview', in the special lecture session of the National Seminar on "Critics and Criticism in India", 14-16 March, 2017, Centre of Advanced Study in Sanskrit, Pune University, Pune.
15. Presided over Session - III (14.03.2017) in the National Seminar on "Critics and Criticism in India", 14-16 March, 2017, Centre of Advanced Study in Sanskrit, Pune University, Pune.

Jagat Ram Bhattacharyya

1. June 19 -21,2016: International Seminar on Yoga Visva Bharati, Presented a Paper on Jain System of Meditation with Special reference to Avasyakasutra.
2. December 1 - 3, 2016: International seminar on Contemporary Challenges and Pali-Prakrit and Buddhist Literature, organized by Sri Sitaram Vaidic Adarsha Sanskrit Mahavidyalaya, Chaired and presented paper on "Buddhism and Jainism in the context of World Peace".
3. January 8-10, 2017 Chaired a session in the International Seminar on Bhagavad Gita, Visva Bharati .
1. 10.03.17 - Chaired a session and Presented a paper on Humanism in Sanskrit Literature in the National Seminar, Raiganj University.
2. 21.03.17 - Presented a Paper on An Analysis of Prakrit in Sanskrit Drama in the National Seminar on Literature and Inscriptions: Texts and contexts, Jadavpur University. Taught Prakrit in the 28th Summer School of Prakrit Language and Literature at BL Institute of Indology, Delhi from May 22 -June 12, 2016.
1. As a Resource person to delivered a course of lecture to the workshop on Epigraphy in the Asiatic Society on Origin and Development of Prakrit with special reference to Asokan Inscriptions on 27.09.2016.
2. Delivered a course of lecture on Prakrit Metre and Rhetorics in the Workshop organized by the Department of Sanskrit, Jadavpur University on 24.11. 2016.
3. Delivered Siddhantacharya Pandit Phool Chand Shastri Memorial Lecture at Ganesh Varni Digambara Jain Research Institute, Naria, Varanasi on 26.12.2016.
4. Delivered lectures on Prakrit - its origin and Development at Parshvanath Vidyapitha in a Prakrit Workshop on 26.12.16.

5. Delivered lectures on Sauraseni and Magadha at Parshvanath Vidyapitha in a Prakrit Workshop on 27.12.16.
6. Delivered lecture on Prakrit Grammar in the Workshop held at the Sanskrit Department, Jadavpur University on 29.12.2016
7. Delivered lecture on the Introduction to Prakrit Language and Literature in the Department of Comparative literature on 30.01.2017.

Niranjan Jena

1. 19-21 June 2016, "Yoga: in Buddhist system and in Veda - A Study", paper presented in the International Conference on 'Yoga: Buddhist and other ancient Indian systems, organized by Centre of Buddhist Studies and Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan. Also chaired a session.
2. 19-26 July 2016, Attended International Workshop on "Gaudiya Vaisnavism", organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 6-7 January 2017, International Conference on "Re-Learning to be Human for Global times : Humanity and the Modern Predicament", paper presented on "Humanitarianism in the Veda and Its Relevance in Contemporary Age", organized by Department of Philosophy and Comparative Religion, Visva-Bharati, Santiniketan in collaboration with Council for Research in Values and Philosophy (CRVP) Washington, US.
4. 8-10 January 2017, International Seminar on "Socio-Cultural Significance of Srimad Bhagavad Gita", paper presented on "Ecological Awareness Reflected in the Bhagavad Gita", organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan. Also chaired a session.
5. 9-11 February 2017, International Seminar on "Persian & Sanskrit As Shared Heritage and Cross Cultural & Historical Connection between India, Iran & Central Asia, hosted by Deptt. of Arabic & Persian and Cotton College, Guwahati.
6. 9-10 April 2016, "Ecological Awareness Reflected in Bhagavata Purana", presented paper in the National Conference on 'Puranic Literature', organized by Academy of Yoga and Oriental Studies, Bhubaneswar. Also chaired a session.
7. 14th April 2016, "Dr. B.R. Ambedkar's Contribution for Social Justice : A Study", paper presented in the National Seminar on 'Relevance of Dr. B.R. Ambedkar from Inclusive Development in India', organized by SC, ST, OBC Employees Association of Visva-Bharati, Santiniketan.
8. 11-12 September 2016, "Relevance of Yajurveda in Contemporary Age", paper presented in the Seminar on 'Relevance of Veda-Vyakarana" organized by Howrah Sanskrit Sahitya Samaj, Howrah, West Bengal.
9. 12-14 November 2016, "48th Session of ALL INDIA ORIENTAL CONFERENCE, Haridwar, presented a paper on "Interpretational Variants on Purusa Suktam of Uvata and Mahidhara", organized by Uttarakhand Sankrit University & University of Patanjali, Haridwar.
10. 20-21 December 2016, UGC sponsored National Level Seminar on "The Relevance of the Vedas at Recent Times", presented a paper on "The message of the Vedas and Its Relevance in Contemporary Society" organized by Department of Sanskrit, Panchmura Mahavidyalaya, Panchmura, Bankura, West Bengal.
11. 26-27 December 2016, "All India Yoga-Ayurveda Seminar-2016 on "Harita Samhita : A Study" & "Sri Ramakrishna Paramahansa : His life and Philosophy", presented a paper on "Spiritual

Discourse of Ramakrishna Paramahansa", organized by Academy of Yoga and Oriental Studies, Bhubaneswar.

12. 20-22 January 2017, National Seminar on 'Tribalism and Sanskrit Literature', presented a paper on "Tribalism and Socio-Medico Charms in the Atharvaveda" organized by National Book Trust, India and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
13. 24-27 January 2017, delivered talk on "Unity in Diversity : Socio-Cultural and Spiritual Discourse", on occasion of the Golden Year Celebration of I.C.R. High Madrasah, Murshidabad.
14. 28-29 January 2017, Chaired two academic sessions on Veda and delivered two talks on it in the National Seminar, organized by Howrah Sanskrit Sahitya Samaj, Howrah, Kolkata.
15. 1-2 March 2017, delivered talk on "Philosophical Thoughts in the Veda" in UGC sponsored National Seminar, organized by Deptt. of Philosophy, Netaji College, Arambag, Hoogly, West Bengal.
16. 8 March 2017, delivered talk on "Introduction of Manuscriptology and Vedic Literature" in National Workshop on Manuscriptology and Palaeography, organized by Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
17. 30-31 March 2017, "Daivatakanda of the Niruktam : An Analytical Study", presented paper in the UGC sponsored National Seminar on 'Vedavyakhyana paramparayam vedanganyukramani-sahityasca' organized by Deptt. of Veda, Sree Jagannath Sanskrit University, Puri.
Coordinated National/International Seminar/Conferences/Workshops :
1. 19-26 July 2016, Coordinated an International Workshop on "Gaudiya Vaisnavism", organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan
2. 8-10 January 2017, Coordinated an International Seminar on "Socio-Cultural Significance of Srimad Bhagavad Gita", organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 4-24 March 2017, (21 day) Coordinated A National Level Workshop on Basic Level of Manuscriptology & Palaeography, organized by Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal. Also chaired a session.

Sanjay Kumar Mandal

1. 8-10th January, 2017 : International Seminar on "SOCIO-CULTURAL SIGNIFICANCE OF SRIMAD BHAGAVAD GITA" , organized by Department of Sanskrit, Pali and Prakrit, Visva -Bharati, Santiniketan , paper presented on ' Relevance of the Gita in Modern Society'.
2. 20-22 January 2017: National Seminar on "TRIBILISM AND SANSKRIT LITERATURE", organized by Department of Sanskrit, Pali and Prakrit, Visva -Bharati,Santiniketan , paper presented on 'Tribes in Rigveda'.

Gargi Bhattacharya

1. 6th - 8th December, 2016 : XIII CLAI Biennial International Conference on 'Comparative Literature : At the Crossroads of Culture and Society', organized by the Centre for Comparative Literature, Visva-Bharati, in association with Comparative Literature Association of India : paper presented on 'Decoding the Ancient Indian Literature : Problems of Textual Relations & Socio-Cultural Issues'.
2. 30th - 31st March, 2017 : International Seminar on 'Development of Art, Literature, Culture and Science under the Mughals in India', organized by Department of Arabic, Persian, Urdu &

Islamic Studies, Visva-Bharati, Santiniketan and Rumi Foundation, Santiniketan : paper presented on 'Dara Shikuh's Works and Views : New Perspective to Hindu Literature and Philosophy in Mughal Period'. (Invited Paper)

1. 7th to 8th December, 2016 : National Seminar on ' "Off the Mark : Marginality, Narratives, and Reclaiming History', organized by Department of English, Sidho-Kanho-Birsha University, Purulia, WB : paper presented on 'Marginality and Social Politics : Candala from the Perspective of Buddhist Narrative'. (Invited Paper)
2. 27th-28th March, 2017 : National Seminar on 'Significance of Indo-Tibetan Studies : A Cultural Heritage of Nalanda Tradition', organized by Department of Indo-Tibetan Studies, Visva-Bharati, Santiniketan : paper presented on Sardulakarnavadana : Buddhist Culture and Eternal Call for Humanity'. (Invited Paper) 29th August, 2016 : Special lecture, organized by Centre for Comparative Literature, Visva-Bharati, Santiniketan : Lectures delivered on 'Sabda, 'Self-revealing Identity' and Mode of Communication : A View of Patañjali's Mahabhasya'
1. 14th September, 2016 : Special lecture Series, organized by Department of English, Sidhu-Kanho-Birsa University, Purulia, WB : 2 Lectures delivered on 'Origin, Development and Historicity of Natya : A Study of Indian Tradition ' and ' 'Prayogavijnana' in Ancient Indian Drama : Pedagogy and Praxis'.
2. 3rd March, 2017 : Special lecture Series, organized by Department of Sanskrit, University of Kaliyani, WB : Lectures delivered on 'A General Introduction to Minor Upanisads : Literature and Culture '.

Laxmidhar Malik

1. 19-21 June, 2016 : 'Bhaktiyoga in the Bhagvadgita' paper presented in the International Seminar on 'Yoga : Buddhist and Other Ancient Indian Systems', organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
2. 19-26 July, 2017: International Workshop on "GAUDIYA -VAISNAVISM", organized by Department of Sanskrit, Pali and Prakrit, Visva -Bharati, Santiniketan, Participated.
1. 11th September 2016 : Presented a Paper entitled "Vaisnavism & Jagannatha" in the National Seminar on Shri Jagannath in Vaisnav-Tradition organized by Shri Nilachala Tattvasandhan Panisad, Puri, Odisha.
2. 3rd & 4th December : Criticism in Sanskrit Language and Literature in National Seminar in "Literature Theory and Criticism in Indian Languages" organized by Tamil & Manathi Language Unit of Bhasha Bhavana.
3. 04.01.2017 to 24.01.2017 : Participated in the Refresher Course in the 'Language & Literature' and obtained grade - A, organized by U.G.C. Human Resource Development Centre, Ranchi University, Ranchi.
4. 06-07 March 2017 : Participated in the two day Workshop on 'Rural Community Engagement, Unnat Bharat Abhiyan and Social Responsibility' organized by National Council of Rural Institute, Department of Higher Education, Ministry of Human Resources Development Government of India.
5. 23.03.2017 : Delivered talk on Documentation of Manuscripts in the National Workshop on Manuscriptology and Palaeography, organized by our Department of Sanskrit, Pali & Prakrit,

Visva-Bharati, Santiniketan with Financial Assistance from National Mission for Manuscripts, New Delhi & Raja Ram Mohan Roy Library Foundation, Kolkata.

Pritilaxmi Swain

1. 19th- 21st June, 2016 : Presented a Paper entitled "Astanga Yoga and Integral Yoga: A Comparative Study" in the International Seminar on 'Yoga : Buddhist and Other Ancient Indian Systems', Organized by Centre for Buddhist Studies & Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
2. 19.07.2016- 26.07.2016 : Participated in the International Workshop on Gaudiya-Vaisnavism, Organized by Dept. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 8th-10th January, 2017 : Presented a Paper entitled "Human values in the light of SRIMAD BHAGAVAD GITA with special reference to chapter-XIII" in the International Seminar on 'Socio-cultural significance of SRIMAD BHAGAVAD GITA', Organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal.
1. 20th-22nd January, 2017 : Presented a Paper entitled "Tribes in the Bhagavata Purana: An Outlook" in the National Seminar on 'TRIBALISM AND SANSKRIT LITERATURE', Organized by National Book Trust, India and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal.

Ram Pramol Kumar

- 1) 19th to 21st June, 2016: Presented a paper entitled "Buddhist Meditation and Tantric System", International Seminar on Yoga: Buddhist and Other Ancient Indian Systems organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan
- 2) 8th to 10th January, 2017: Presented a paper entitled "Srimad Bhagavad Gita and Present Society", International Seminar on Socio-Cultural Significance of Srimad Bhagavad Gita organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan. Also chaired a session.
- 1) 3rd to 4th December, 2016: Delivered Invited Lecture entitled "Gradual Development of Indian Poetics", National Seminar on "Literary Theory and Criticism in Indian Languages", organized by Tamil & Marathi Language Units, Bhasha-Bhavana, Visva-Bharati, Santiniketan.
- 2) 20th to 22nd January, 2017: Presented a paper entitled "Rig Vedic Aryan Dwara Adimavastha (Tribalism) Sudoor Prachinakale Me Prapta Kar Liya Tha", National Seminar on Tribalism and Sanskrit Literature organized by National Book Trust, India and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
- 1) 4th to 24th March, 2017 : As a Resource Person delivered talks on "Writings in the Ancient India & Epigraphy", National Workshop on Manuscriptology and Palaeography organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan with Financial Assistance from National Mission for Manuscripts, New Delhi & Raja Ram Mohan Roy Library Foundation, Kolkata.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

Laxmidhar Malik (as Coordinator, NSS, Visva-Bharati)

Following programme attended / organised

Awareness among school children about medical plants (17.04.2016):
Cleaning Programme (08.05.2016):
International Day of Yoga-2016:
Drug Awareness (31.07.2016):
Tree Plantation (06.08.16 to 07.08.2016):
Independence Day (15.08.2016):
Blood Donation and Motivation Camp (18.08.16 to 20.08.16):
NSS Day (22.09.16 to 24.09.2016):
Swachha Bharat Abhiyan (Cleaning Programme) (02.10.2016):
Swachha Bharat Abhiyan (Cleaning Programme) (02.10.2016):
Rashtriya Ekta Saptaha (31.10.2016 to 06.11.2016):
The NSS of Visva-Bharati will observe 'Rashtriya Ekta Saptaha' from 31st October to 6th November 2016.

12. Swachhta Pakhwada (1st November to 15th November 2016):
PSB-PSV (01.11.2016); PSB-PSV (02.11.2016); Siksha-Satra (03.11.2016); Siksha-Satra (04.11.2016); Bhasha-Bhavana (06.11.2016); Siksha-Satra (08.11.2016); Bhasha& Patha -Bhavana (10.11.2016); (Patha-Bhavana)11.11.2016.

13. Cash less (08.01.2017):
14. Blood Donation Camp (10.01.2017):
15. Youth against women harassment (25.01.2017):
16. Republic Day (26.01.2017)
17. Gandhipunaha (10.03.2017):
18. Vasantotsava (12.03.2017):
19. Road Safety Awareness (15.03.2017):

Special Camp 2016-17:

1. Swachha Bharat Abhiyan a special camp on occasion of Poush Mela (23.12.2016 to 29.12.2016):
23.12.2016, 24.12.2016, 25.12.2016, 26.12.2016, 27.12.2016, 28.12.2016, 29.12.2016
2. Special Camp, Vidya-Bhavana (14.02.2017 to 20.02.2017):
3. Special Camp, PSB-PSV (22.03.2017 to 28.03.2017):
22.03.2017, 23.03.2017, 24.03.2017, 25.03.2017, 26.03.2017, 27.03.2017, 28.03.2017
3. Special Camp, Bhasha Bhavana (16.03.2017-22.03.2017):
16.03.2017, 17.03.2017, 18.03.2017, 19.03.2017, 20.03.2017, 21.03.2017, 22.03.2017
4. Special Camp, Siksha-Satra (19.03.2017 to 25.03.2017):
19.03.2017, 20.03.2017, 21.03.2017, 22.03.2017, 23.03.2017, 24.03.2017, 25.03.2017
5. Special Camp, Patha-Bhavana (22.03.2017 to 28.03.2017):
22.03.2017, 23.03.2017, 24.03.2017, 25.03.2017, 26.03.2017, 27.03.2017, 28.03.2017

Publication within the year April 2016 - March 2017

Narottam Senapati

1. Sumedha - 6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN : 2395 1931, Ed. N. Senapati et al, Department of Sanskrit, Pali & Prakrit, Visva-Bharati.

Article :

1) An article 'What did they do' was published in 'Sumedha', (Commemoration volume) an annual

research journal of Indology, Department of Sanskrit, Pali & Prakrit, Visva-Bharati, 2016, ISSN: 2395-1931.

Arun Kumar Mondal

1. Wrote a module on Manuscriptology of M.A. in Sanskrit Course of the University of Gour Banga, December 2016.

Article :

- I. "Sarasvatikanthabharana Srngaraprakase Rasasvarupa - Ek Bhinna Bhavana" pages 145-159 in the book "Pracya Sahityatattva O Sahityabhavan?", edited by Nabendu Sen, published by Ratnavali Kolkata, January 2017, ISBN : 978-93-81329-66-5.
- II. "Bhojanirapitah Kartrabhidhayina Pratyayah Kartabhedasca" pages 33-38 in Sumedha-6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN: 2395-1931.

Lalita Chakraborty

1. Sumedha - 6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN : 2395-1931, Ed. L. Chakraborty et al, Department of Sanskrit, Pali & Prakrit, Visva-Bharati.
- 1) "Some Glimpse of Mahayana Traits in Bihar", published in Candrakara (Prof. K.C. Acharya Commemoration Volume, 2017), ISBN 978-81-86359-55-9, Ed. A.R. Mishra et al, Benaras Mercantiles, Kolkata, pp. 71-77.
- 2) "Bh?sarvajua's Contribution to Indian Philosophy", pp. 62-65, Sumedha - 6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN : 2395-1931, Department of Sanskrit, Pali & Prakrit, Visva-Bharati.
- 3) "Bhasarvajna : Ek ananya darsanika", published in Sahrdayabharata, ISBN : 978-93-81795-71-2, Ed. P.P. Das et al, Sanskrit Book Depot, Kolkata, 2016, pp. 286-298.

Arun Ranjan Mishra

Books/Journals published

1. Candraakara (Prof. K.C. Acharya Commemoration Volume, 2017), ISBN 978-81-86359-55-9, Ed. A.R. Mishra et al, Benaras Mercantiles, Kolkata.
2. Sumedha - 6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN : 2395-1931, Ed. A.R. Mishra et al, Department of Sanskrit, Pali & Prakrit, Visva-Bharati.

Article :

1. "Indus Fire Altars: An Archaeological Analysis", Sodhanidhi, Ed. Chandan Bhattacharyya et al., The Banaras Mercantile Company, Kolkata, ISBN: 81-86359-50-8, 2016, pp. 118-126.
2. "Abhinavagupta on Man, Religion and God vis-a-vis Drama", अमरयशःसौरभम् (Prof. Amarnath Pandey Commemoration Volume), Ed. Prof. Prabhunath Dwivedi, Varanasi, ISBN: 978-93-81999-84-4, 2016, pp. 674-682.
3. "Ultimate Reality and its Meaning in the Life and Works of Bhima Bhoi", published in Sumedha, ISSN : 2395-1931, Ed. A.R. Mishra et al, Department of Sanskrit, Pali & Prakrit, Visva-Bharati, 2016, pp. 81-99.
4. "Mukula Bhatta's Theory of Denotation and Adjunct" published in Proceedings of the National Seminar on Sabda Shakti, Department of Sanskrit, D.K. College, Jaleswar, Odisha, 2016, pp. 01-06.

5. "Star War and Terrorism in Harivamsa : A Case Study", published in Sahrdayabharati, ISBN : 978-93-81795-71-2, Ed. P.P. Das et al, Sanskrit Book Depot, Kolkata, 2016, pp. 221-229.
6. "Indologist Prof. K.C. Acharya - A Life Sketch", published in Candrakara (Prof. K.C. Acharya Commemoration Volume, 2017), ISBN 978-81-86359-55-9, Ed. A.R. Mishra et al, Benaras Mercantiles, Kolkata, pp. XX-XXI.
7. "Sound-Imagery in Meghadutam : A Brief Note", published in Candrakara (Prof. K.C. Acharya Commemoration Volume, 2017), ISBN 978-81-86359-55-9, Ed. A.R. Mishra et al, Benaras Mercantiles, Kolkata, pp. 22-28

Jagat Ram Bhattacharyya

1. Magadha Prakrit in Sanskrit Drama - Paper published in the Dr Kanubhai Sheth Abhinandan Grantha, pp.246 - 252, published by Sruta-ratnakar, Ahmedabad 2017.

Niranjan Jena

Publications:

- (1) 2016, ISBN: 81-85970-70-X, "Ecological Thoughts in the Upanisads", 'Dynamics of Culture', edited by Sanjib Kumar Sarma, Param Mitra Prakashan, New Delhi, pp. 128-142.
- (2) 2016, ISBN : 978-93-85503-58-0, "Dr.B.R. Ambedkar's Contribution for Social Justice : A Study", edited by Sukumar Pal and others, New Delhi Publishers, pp.162-167.
- (3) 2016, ISSN : 2395-1931, "Chronology of Gopatha-Brahmana :An Assessment", edited by Arun Ranjan Mishra, Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, pp. 107-111.

Sanjay Kumar Mandal

1. 'Naiyayikanam Mate Lakshnavriteh Svarupam', Sumedha-6, Commemoration Volume, Department of Sanskrit, Pali & Prakrit, Visva- Bharati, Santiniketan, 2016. ISSN: 23951931.

Laxmidhar Malik

1. "Ramanujacarya's Sampradaya in Sriksheetra" pages 133-37 in Sumedha-6 (Prof. Karuna Sindhu Das Commemoration Volume, 2016), ISSN: 2395-1931.

Pritilaxmi Swain

1. Dr. Santosh Kumar Behera, Dr. Pritilaxmi Swain & Jayashree Mahanti (2016) Buddhist Philosophy: A Way of Peace In Buddhist Philosophy: A Way of World Peace, Edited by Dinesh Jaronde, Nagpur: BSPK Book Publishing Company, pp.24-29, ISBN: 978-93-84198-73-2.

A Brief history on the development of the Bhavana /Sadana/Vibhaga concerned by the Department.

Rabindranath Tagore in his education system had introduced Sanskrit as compulsory subject in academic curriculum since the inception of Brahmacharya Vidyalaya at Santiniketan in 1901. In the formative period of Visva Bharati the root of Sanskritic Studies was nourished by luminous scholars like Bidhusekhar Sastri, Ksiti Mohan Sen, Sylvan Levei, Mourice Winternitz etc.

Vidya Bhavana came into being from 8th Poush, 1332 (in the last week of December 1925) with Pandit Bidhusekhar Sastri as its Principal. It offered various subjects including Sanskrit, Pali & Prakrit for various Degrees. Vidya Bhavana was more considered as a research institution with wide ramification. In 1972 when all the Bhavanas were restructured, Vidya Bhavana become a Faculty of Arts with 15 Departments including Sanskrit, Pali & Prakrit. The Department came

under the newly framed Bhasha Bhavana in 2011.

The core teaching of Sanskrit, Pali & Prakrit was accorded the status of a separate and full-fledged Department in 1951 when Visva Bharati was christened as a Central University and an Institution of National Importance. It offers Under-Graduate, Post Graduate, Ph. D., Certificate, Diploma, Foreign Casual Courses and Research Programmes etc. in Sanskrit, Pali & Prakrit.

The Department introduced Semester system in B.A. (Honours) and M.A. level from 2011-12 session. The Department introduced M.Phil course in 2014.

DEPARTMENT OF ODIA

Name of the students qualified in

UGC NET : Nutan Khamari,

Departmental Seminar

International Seminar (2-4, March 2017)

Subject: Tribal Traditions and Community Identity

The Centre of Excellence, The Department of Odia organized a three days International seminar during 2-4, March 2017. on "Tribal Traditions and Community Identity". The Seminar was held in CoE Conference hall . Prof. Sabita Pradhan, Director, CoE, delivered welcome address. Prof. Deepak Kumar Behera, former Vice-Chancellor, Berhampur University joined as the chief guest.

Training Programme: (24-29 June 2016)

The Centre of Excellence, Department of Odia organized a Six days Training Programme on Field Work & Documentation ,Language, Literature and Culture of the Tribes of Eastern India during 24-29 June 2016.

Prof. Sabita Pradhan, Director of CoE Delivered welcome address. Prof. K.M. Metri as the chief guest.

Eminent scholars like Prof. Prakas Pattanayak, Prof. Panchanan Mohanty, Paramananda Patel presented papers on relevant areas.

Departmental Seminar held by Teaching faculties and dignitaries

Sl. No.	Speakers	Title of the Seminar	Date
1.	Ajoy Swain	Odia Short Story	08.04.2016
2	Prof. Somdatta Mandal	Who is an ideal Translator	09.08.2016
3	Prof. Arun Kumar Mondal	Kabya O Sabdashakti	30.08.2016
4	Dr. Mousumee Bhattacharya	Indian Media : An Overview	06.09.2016
5	Prof. Sabita Pradhan	Bhasha Sankata o Odia Bhasha	10.01.2017
6	Dr. Sarat Kumar Jena	Contemporary Odia Drama	17.01.2017
7	Prof. Manoranjan Pradhan	Aupanyasika Saratchandra	24.01.2017
8	Dr. Ramachandra Nayak	Odia Barnamala Prasanga	23.03.2017

National and International standard Conference / Seminars /workshop/exhibition etc.

Kailash Pattanaik :

SEMINAR/Workshop:

1. Presided over the inaugural session of international workshop on Goudiya Vaishnavism, on 19 July ,2016 organised by the Department of Pali, Prakrit and Sanskrit, Visva-Bharati.
2. Participated as a Guest of Honour, in the inaugural session of international conference on Tagore, Japan and Various aspects of Japanese Culture on 26th. August, 2016 organised by Nippon Bhavana, Visva-Bharati.
3. Presided over the inaugural session of international conference on Major Trends of Post Independent Bengali Literature and Culture, on 19 September ,2016 organised by the Department of Bengali Literature, Visva-Bharati.

4. Presided over the inaugural session of international conference on Social Cultural significance of Srimad Bhagabat Gita, on 8th January,2017 organised by the Department of pali Prakrit and Sanskrit, Visva-Bharati.
5. Presided over the valedictory session of international conference on Tribalism and Sanskrit Literature, on 22nd. January, 2017 organised by the Department of Pali Prakrit and Sanskrit, Visva-Bharati.
6. Presented a paper in the international conference on Bangla Samaj O Sanskriti: Pratibeshir Abasthan, organized by the Department of Bangla, Sidhu Kanu Birsha University, Purulia, on 9 February, 2017.
7. Presided over the inaugural session of international conference on Cosmopolitanism and Rabindranath Tagore, on 27 February, 2017 organized by the Department of English and Modern European Languages, Visva-Bharati.
8. Presided over the inaugural session of international conference on Tribal Tradition and Identity on 2nd. March,2017 organized by the COE, Department of Odia, Visva-Bharati.
9. Presided over the inaugural session of international conference on Development of Art, Literature and Culture and Science under Mughal India, on 30th. March 2017 ,organized by the Department of Arabic,Persian,Urdu and Islamic Studies, Visva-Bharati.

Participated as a Guest of Honour, in the Workshop on Japanese Culture, on 15th.April,2016 organised by Nippon Bhavana, Visva-Bharati.

1. Presided over the inaugural session of National level seminar on literary theory and Criticism in Indian languages in India , on 3rd.December ,2016 organised by the Tamil and Marathi Language units of Visva-Bharati.
2. Presided over a memorial Lecture on Bhakal aur Bhakti Kavya on 7th.March,2017 at Hindi Bhavana,Visva-Bharati.
3. Delivered two lectures at the National Workshop on Documenting Oral Traditions of North East India, organized by Rajiv Gandhi University, Arunachal Pradesh during 20-21 March,2017.
4. Presided over the inaugural session of national conference on Bharatiya Samaj bodh aur Muktibodh ki Rachanadharmita, on 30th.March, 2017 organized by the Department of Hindi, Visva-Bharati.

Sabita Pradhan

Organized An International seminar on "Tribal Traditions & Community Identity" The Centre of Excellence, Deptt. of Odia , Visva-Bharati on March 2nd-4th , 2017.

1. Presided over a session in the UGC National Seminar entitled "Sanskrutika Paribartan : Odishare Lila Natak Parampara". organized by Utkalmani Gopabandhu Mahavidyalaya, Khamar, Odisha on 17th -18th July, 2016.
2. Presented a Paper entitled "Adibasi Sanskruti O Odia Sahitya Itihasra Nabya Samrachana" in the seminar organized by Music Circle , Rourkela , Odisha on September 10th-11th, 2016.
3. Presented a Paper entitled "Sachi Routraynka Kabitare Sreni Chetana" in the UGC seminar organized by Bharati Bihar college , Haripur , Odisha on October 23rd -24th , 2016.
4. Presented a Paper entitled "Odia Upanyasare Adibasi Jibana: Atita , Bartaman o Bhabyasyata" in the UGC seminar organized by Chandabali college , Chandabali , Odisha on December 25th - 26th 2016.
5. Presented a Paper entitled "Bhasha sankata o Odia bhasha" in the weekly Seminar of Odia Deptt., Visva-Bharati on December 10.01.2017.
6. Delivered two talks on "Lipira Itihas o Odia Lipira Krama Bikash" in the workshop organized by the Deptt. of Odia , Berahampur University with the collaboration of NMM , Delhi on February 7th , 2017.
7. Presented a Paper entitled (Key-note Address) entitled " Naribada o Odia Katha Sahitya" in Ramadevi University sponsored by Sahitya Akademi Delhi on March 8th , 2017.
8. Presented a Paper on "Abrutti Shilpakala" in the Odia Deptt, Fakir Mohan University on March 20th -21st , 2017.

Manoranjan Pradhan

1. Presided over a session in the International seminar on "Tribal Traditions & Community Identity" organized by the Centre of Excellence, Deptt. of Odia , Visva-Bharati on March 2nd-4th, 2017.

National Seminar:

1. Presided over a session in the UGC seminar entitled "Sanskrutika Paribartan : Odishare Lila Natak Parampara". organized by Utkalmani Gopabandhu Mahavidyalaya, Khamar , Odisha on 17th -18th July, 2016.
2. Presented a Paper entitled "Swadhinata Parabarti Odia Kabitare Sreni Chetana" in the UGC seminar organized by Bharati Bihar college, Haripur, Odisha on October 23rd -24th , 2016.
3. Presented a Paper entitled "Mahabharatare Loka Devadevinka Gurutwa" in the UGC seminar organized by Mahanga Puspagiri Mahavidyalaya ,Erakana, Odisha on November 20th-21st, 2016.
4. Delivered a talk on "Odia Sahityara Itihas o Gorba Karibara Katha" in the Odia Deptt. , Fakir Mohan University on December 2nd 2016.
5. Presented a Paper entitled "Odia Khyudragalpare Pratifalita Adibasi Jibana" in the UGC seminar organized by Chandabali college , Chandbali , Odisha on December 25th - 26th 2016.
6. Delivered a talk on "1980 Parabarti Odia Galpara Nabadiganta" in the Deptt. of Odia , Utkal University on January 2017.
7. Delivered two talks on "Pothi Samrakhyana Paddhati" in the workshop organized by the Deptt. of Odia , Berahampur University with the collaboration of NMM , Delhi on February 7th, 2017.

Pramila Patulia

08-10 January, 2017 - International Seminar on 'Socio-Cultural Significance of Srimad Bhagavad Gita' held at the Department of Sanskrit, Pali & Prakrit, Visva Bharati, presented a paper on "Swami Vivekananda : Philosophical thoughts on Karma Yoga".

02-04 March, 2017 - International Seminar on 'Tribal Traditions & Community Identity' held at the Department of organized by the Centre of Excellence, Department of Odia, Visva-Bharati, presented a paper on "The Socio Cultural Aspect of Bathudi Tribal women in North Odisha".

24-26 January, 2017 - XXXIIIth Annual Conference of the Paschimbanga Itihas Samsad at Basanti Devi College, Kolkata, presented a paper on "Odia Bhasate Pratham Aitihisika Natak- 'Kanchikevari' : Ekti Alochana".

1. 04-24 March, 2017 - Participated Basic Level Workshop on Manuscriptology & Paleography organized by the National Mission for Manuscripts, New Delhi in collaboration with Department of Sanskrit, Pali & Prakrit, Visva Bharati from 4th to 24th March, 2017.

Sarat Kumar Jena

International Seminar

1. Presented a Paper named "Kutiaa kandha Janajatira Upajogi Lokakala" in a International Seminar on "Tribal Traditions and Community Identity" organized by Centre of Excellence, Department of Odia, , Visva-Bharati on 2, 3 & 4, March 2017.
1. Attended a 6days Training on "Field Work & Documentation ,Language, Literature and Culture of the Tribes of Eastern India" organized by Centre of Excellence, Department of Odia, , Visva-Bharati from 24th to 29th June 2016.
2. Presented a Paper named " Contemporary trends in Odia Drama" in a National Symposium on

- "Contemporary trends in Odia literature" organized Sahitya Akademi, New Delhi in Collaboration with Bhanja Sansutik Parisad, Bhanjanagar, Odisha on 29 October 2016.
3. Presented a Paper named "Odia Katha Prativa bikasare Patra Patrikara Bhumika" in a National Seminar organized Kathakalika, Bhubaneswar in Collaboration with Kalinga Sahitya Samaj, Berhampur, Odisha on 2 November 2016.
 4. Presented a paper named "Criticism in Odia Literature" in a National Seminar on "Literary theory and Criticism in Indian languages" Organized Tamil & Marathi Department, Bhasha Bhavana, Visva-Bharati on 3rd & 4th December 2016.
 5. Presented a Paper named "Sastriya Odia Bhasha O Samruddha Barttaman" In a National Seminar on "Language and Linguistics with focus" organized by Department of Linguistics, Utkal University of Culture, Bhubaneswar on 18 February 2017.
 6. Presented a Paper named " Kandhamalara Lokakala" in a National Workshop on "Dakhina Odishara Loka Sanskruti" organized by South Odishan Cultural Centre, Berhampur University, Odisha on 23 March 2017.
 7. Presented a Paper named " Odia Natakare Gandhi Chetana" in a National Seminar on "Odia Sahityare Gandhi Chetana" organized by Department of Odia, Berhampur University, Odisha on 24 & 25, March 2017.
 8. Presented a Paper named " Cultural History of Odisha in 19th Century" in a National Seminar on "Socio-Cultural History of Odisha in 19th Century." organized by Department of History, Berhampur University, Odisha on 25 & 26, March 2017.
 1. Delivered a talk as a Chief Guest in a College Annual Function at Karanjia Autonomous College, Karanjia, Mayurbhanj, Odisha on 7 February 2017.

Rabindra Kumar Das

Presented a Paper in International Seminar on Tribal Tradition and Community Identity the Paper entitled The Musical Tradition of Bhuyan Tribes in Odisha and Jharkhand organized by Center of Excellence, Department of Odia, Visva-Bharati, Santiniketan On 21st March 2017.

Paper presented in UGC Sponsored National Seminar on 'Swadhinata Paravarti, Odia Nataka re Loka Upadana', the Paper entitled " Sampratika Odia Natakare Loka Upadanara Prayogika Abhiprayikata,"organisd by Odapada Panchayat Samit Mahavidyalaya, Dhenkanala, 16th- 17th November 2016.

Delivered A Talk On Fakir Mohan Fiction On The Light Of Contemporary Criticism At Mayfair Conference Hall Bhubaneswar Organized By Fakir Mohan Foundation New Delhi On 14.12.2016
Delivered a talk as Chief speaker at Mananda College Mayurbhanj, on 25.1.2016.

Delivered a talk as a Resource Person in Odia Women Writers Conference of West Bengal organized by Jugashree Juganari, and Sahitya Academy Kolkata Branch on Odia Sahityare Narira Bhumika on March 16,2017

Research Project.

On Going Research Project in the Departemnt.

Centre of Excellence

Director:

Prof. Sabita Pradhan

Coordinator:

Prof. Manoranjan Pradhan

Name of the Project	Tribal Literature and Language
Sponsoring Agency	Ministry of Tribal Affairs, Govt. of India
Amount Sanctioned	Rs.2.93,00,000/-
Duration of the project	3years

Extension Activities, Cultural and Other Activities:

Departmental One day tour to Murshidabad escorted by Dr. Sarat Kumar Jena & Dr. Pramila Patulia.

A picnic was organized in the month of January, 2017. All the academic and non-academic staff members along with students and scholars participated and enjoyed the picnic.

The Odia Deptt. actively participated and opened a stall at Ananda Mela, Visva-Bharati.

The students of the Deptt. staged a skit in the month of August,2016 on the occasion of 70 years of Indian Independence.It was Directed by Dr. Sarata Kumar Jena and Music Directed by Dr. Rabindra Kumar Das. They also presented patriotic songs.

The students of the Deptt. presented a Patriotic song in the Bhasha Bhavana,in the month of August,2016 on the occasion of 70 years of Indian Independence.It was Directed by Dr. Rabindra Kumar Das.

The students of the Deptt. presented a Patriotic song in the Lipika on the occasion of Motherlanguage Day, organized by Bhasha Bhavana,on 21 February,2017.

Dr.Rabindra Kumar Das became an Associate Editor of the Divya Unmilana , Pondicherry a Quarterly Literary and Spiritual Journal.

He also took the responsibility of the Associate Editor of The Anurarana, Bhubaneswar, a biannual Literary Journal.

Academic distinction

Kailash Pattanaik:

Member, Departmental Committee, Department of Folklore, Kalyani University, Kalyani, W.B.

Member, Board of studies, Department of Indigenous Culture, Central University of Jharkhand, Brambe, Jharkhand.

Member, Board of studies, Department of Odia, North Odisha University, Baripada, Odisha.

Publications

Text Books :

Kailash Pattanaik

Shrestha Galpa, Time Pass, Bhubaneswar. 2016

Sabita Pradhan

A Comparative Study of Odia And Santal Folktales. CoE, Deptt. of Odia , Visva-Bharati. 2017

Tribal Literature And Language. CoE, Deptt. of Odia , Visva-Bharati, 2017

The Sahib- God And Other Stories. CoE, Deptt. of Odia , Visva-Bharati, 2017

Magazine :

Sarat Kumar Jena

1. Sahitya (Editor):Berhampur, Odisha, October, 2016

2. Anyatra(Editorial Board-Chairman): Santiniketan. January 2017.

Research Papers:**Kailash Pattanaik**

1. Charijana Jubaka O Eka Adhunika Biswa, Jhankar, September,2016
2. Odioa Ashmita: Odia Upanyas, Pratibeshi, October,2016

Sarat Kumar Jena

- 1) Satayu Bandhabi Tapasweeni O Geetanjali- SRUJANI, 4th Issue, Ed: Anadi Charana Rout, Khaira Mahavidyala, Khaira, Baleswar, 2016-17
- 2) Ekabinsa Satabdira Patrapatrika-PAKSHIGHARA,Bhubaneswar, October-2016
- 3) Kabisuryanka Baladebanka Kabya - MANEESHA, Bhubaneswar, October-2016
- 4) Adhunika Odia Kabitara Bhabatattwa- KABYALOK, Bhubaneswar, 66th Issue, Dec-2016, ISSN-2349-0160
- 5) Dakshina Odishara Pasumukha nacha: Eka Anudhyana- AAINA,Cuttack, Jan-2017.
- 6) Kabisuryanka Chaupadi Charcha- Kabisurya Shruti Bibha o Prabha, Ed: Sarala sahitya sansad, Cuttack, January, 2017.
- 7) Prativa Raynka Upanyas : Astittwabadi Anurana- PRATIBESHI, Kolkata, Jan-2017.

Rabindra Kumar Das

1. Natya kara Bijaya Mishra- 'Sahitya Bahika' April 2016,Fakir Mohan Sahitya Parisad, Balasore.
2. NabaltihasadabadaPariprekhire'1799 ba Panchajana Engrej- 'Swabhimana Journals of Science and Literature, ISSN, March 2016
3. Mahusudan Das :ekaAkalana'- 'Anwesa, ISSN, Jajpur Odisha, 2016

Indramani Sahoo

1. Jalikatu Prasanga O Odia Asmita-Sambad, 09.02.2017, Bhubaneswar, Odisha
2. Ekoishi February, Odianka pain Eka Aahwan- Sambad, 21.02.2017, Bhubaneswar, Odisha
3. Odia O Engraji Sahityara Aadikabi: Eka Tulanatmaka Alekhya- Satyabadi, February,2017

1. Designing New Course:

A course on the frame work of Choice Based Credit System was developed keeping in view of the need of the UG students.

A brief history on the development of Vibhaga and indication of the future plan

The department of Odia, Visva-Bharati, was conceived in 1947 and was established as a regular Post-Graduate Department in 1951. This department is the only Post-Graduate Department and learning centre of Odia Language and Literature in the country outside Odisha. It imparts teaching programmes both in Under-Graduate, Post-graduate, M.Phil & Ph.D. level. Besides it also offers Certificate and Diploma courses. Since its inception, the department has been maintaining a high standard in research and teaching activities.

The department has planned to

- a) Enrich the existing Tribal & Odishan folk artifact museum.
- b) Translate Rabindranath Tagore
- c) Centre for Odishan Tribal Folk lore Studies
- d) Centre for Odishan Folk lore Studies

DEPARTMENT OF ARABIC, PERSIAN, URDU & ISLAMIC STUDIES

Brief history of the Department of Arabic, Persian, Urdu & Islamic Studies & future plans for development:

Towards broader scope of rapprochement among different religious ideologies and better understanding among different schools of thoughts, the inception of the Dept. of Islamic Studies, a research oriented department was meant to move towards the realization of the desired goal of Gurudev Rabindranath Tagore. With passage of time some more courses were introduced to become a full fledged Dept. of Arabic, Persian, Urdu & Islamic Studies. At present the courses run in the Dept. of Arabic, Persian & Urdu at certificate, Diploma & Advanced Diploma level as well as Persian Language & Literature at Undergraduate & Post Graduate level. The Dept. conducts researches in the fields of Arabic, Persian, Urdu and Islamic Studies giving more emphasis on finding common humanistic elements of composite culture that may lead towards better understanding among the people of diverse ideologies.

30 & 31 March, 2017 Departmental Seminar: The Department has organized an international seminar in collaboration with "Rumi Foundation, Santiniketan" on the theme entitled: Development of Arts, Literature, Culture and Science Under the Mughals in India.

10th March, 2017 The Dept. also organized a special lecture on the topic entitled: "Development of Arabic Language through the Ages" delivered by Prof. Isharat Ali Molla, Dept. of Arabic & Persian, University of Calcutta.

N.A. Khan

Books Published: Prospective of Modern Persian Poetry.

Ongoing project: Persian Translation of Crisis in Civilization by Rabindranath Tagore.

National / International Seminar/ Conference & Workshop etc:

Mohammad Faique

Seminars/Conferences/ Workshops

Participated and presented a research paper entitled "Islamic thoughts of Imam Jaffer Sadiq in Persian Language and Literature" in the International Seminar on "Translations of Islamic thoughts in Persian with focus on Imam Jaffer Sadiq (a.s.)" organized by Deptt. Of Persian, Faculty of Arts, Jamia Millia Islamia University, New Delhi and 'Idara-e- Tafheem-e-Islam', New Delhi held on 21st - 22nd Sept., 2016.

Participated and presented a research paper entitled "Gita and Quran: Solution of Global Anarchism" in the International Seminar on "Socio-Cultural Significance of Srimad Bhagavad Gita" organized by Dept. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan- 731235, West Bengal, India held during 8 - 10 January, 2017.

Participated and shared an academic discussion on Special Invitation for panel discussion in the "XIII CLAI Biennial International Conference" on "Comparative Literature: At the Crossroads of Culture and Society", held during March 6-8, 2017, organized by Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati, Santiniketan, W.B., in collaboration with Comparative Literature Association of India (CLAI).

from 6th to 11th May, 2016 on Participated and shared an academic discussion in the International "Istanbul Summit", "Reconsidering Gender Equality and Peaceful Societies" organized by The Journalists and Writers' Foundation and The Thailand Achievement Institute held in May from 7th to 8th May, 2016 in Bangkok, Thailand.

Ongoing Project:

PUBLICATIONS (Books/Research papers/ Articles):

1. A book entitled 'VISVA-PARICHOY' written by Rabindranath Tagore (yet to be published by Meena Book Publications H.No. 140, Gali No. 9c, Prem Nagar, Karawal Nagar, Delhi-110094) translated by Dr. Mohammad Faique, Associate Professor, Deptt. Of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati, Santiniketan, W.B.
2. A book entitled "Impact of the West on Persian Drama-Writing" (yet to be published by Vijaya Publication, Delhi 110031) written by Dr. Mohammad Faique, Associate Professor, Deptt. Of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati, Santiniketan, W.B.
3. Published a Research paper entitled "Impact of Rumi's Miracle and Sufism on M.F. Gulen's Thought and Practice" in "DABEER" (An International Peer Reviewed Quarterly Literary Refereed Journal for Persian Literature), S. No: 8 ISSN - 2394 - 5567, Volume -III, Issue- III, during July - September, 2016, Dabeer Hasan Memorial Library, Lucknow, U.P.

Attended and Participated in the CBSE - UGC - NET workshop from 03-10-2016 to 08-10-2016 held in Noida (U.P.)

Attended and Participated in the CBSE - UGC - NET verification/grievance workshop on 7th February, 2017 held in H-149, Sector-63, Noida, (U.P.).

Participated and presided over an Academic Session of the 'International Seminar' on "Yoga: Buddhist and other Ancient Indian Systems" held during 19 - 21 June, 2016, organized by Centre for Buddhist Studies, Visva-Bharati (W.B.), in collaboration with Deptt. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan- 731235, West Bengal, India.

Participated and Served as Member of the Advisory Committee in the "National Workshop" on Basic level of Manuscriptology and Paleography held during 4-24 March, 2017 (21 days), organized by Deptt. Of Sanskrit, Pali & Prakrit, Bhasha - Bhavana, Visva-Bharati, Santiniketan in collaboration with National Mission for Manuscripts, New Delhi and Raja Ram Mohan Roy Library Foundation, Kolkata, India.

ADMINISTRATIVE STATUS:

1. Serving as Nodal Officer, of Visva-Bharati since 27-10-2016 at Santiniketan, West Bengal to scrutinize, validate and approve the students' records for submission of online application regarding extension cooperation in respect of Post-Metric Scholarship for Minority Students in West Bengal.

Wasif Ahmad

Seminars/Conferences/ Workshops

19-21 June, 2016 Participated in the International seminar on " Yoga: Buddhist and other Ancient Indian systems" held during at the centre for Buddhist studies and Dept. of Sanskrit, Pali and Prakrit, Visva-Bharati University Shanti Niketan-731235, West Bengal, India.

Participated and presented a paper titled "Nazari e Kutah beh Ahwal o Aasar e Molana Abdul Haq

Mohaddis Dehlavi" in the National seminar on "Molana Abdul Haq Mohaddis Dehlavi: His Time and Thought" organized by Department of Persian, Patna University, Patna , India on 7th December, 2016. Participated and Presented a Research paper entitled " Mustafa Khaliqdad : a renowned translator of Emperor Akbar's Court and his Persian translation of Panchatantra" in the 77th session, Indian History Congress held on 28-30 December, 2016, at Kerala University, Thiruvananthapuram (Trivendrum), Kerala.

Participated and Presented a Research paper entitled "Relations between Old Persian, Avesta and Sanskrit" in the International Seminar held on 09-11 Feb., 2017, at the Dept. of Persian, Gauhati University, Guwahati -781014, Assam, India.

Participated and Presented a Research paper entitled "Brij Premi: Kshmir ki Yek Maya e Naz Adabi Hasti" in the National Seminar held on 20-21 March, 2017, at the Dept. of Urdu, Shree Guru Gobind Singh College, Patna City, Patna , India

Participated and Presented a Research paper entitled "The poet laureate at the court of Mughal Emperor Akbar: Ghazali Mashhadi" in the International seminar held on 30-31 March, 2017 at the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati University, Shanti Niketan-731235, West Bengal, India.

PUBLICATIONS (Research papers/ Articles):

Published a Research paper entitled "Hazrat Khaja Nezamuddin Auliya wa Zaban e Farsi " in "Qand-e-Parsi", a quarterly journal of Persian language , literature and culture (special issue on Persian literature in Delhi), No.69-70, Sept. 2015 - Feb.2016, ISSN: 2349-0969, Published by the Persian Research Centre, office of the cultural counselor, culture house of the Islamic Republic of Iran, Published a Research paper entitled "entitled "Mirza Asadullah Khan Ghalib: Shaer e Buzurg e Farsi" in the "Qand-e-Parsi", a quarterly journal of Persian language, literature and culture (special issue on Persian literature in Delhi), No.69-70, Sept. 2015 - Feb.2016, ISSN: 2349-0969, Published by the Persian research Centre, office of the cultural counselor, culture house of the Islamic Republic of Iran.

Published a Research paper entitled "Jameel Mazhari behaisiyat Shaaer" in the seminar volume titled "Post Shaad Trinity of Urdu poetry of Bihar", Published by Educational publishing House, Lalkuan, Delhi-110006, ISBN- 978-93-5073-757-6, 2015

Published a Research paper entitled "Nazari e kutah be Pnchakyana" in the seminar volume-II, ISBN- 978-93-84876-95-1, Published by the publication division, Aligarh Muslim University, Aligarh in 2016.

President of Academic Sessions:

on 30-31 March, 2017 Presided over the second Academic Session of the International seminar on "Development of Art, Literature, Culture & Science under the Mughals in India" organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Visva-Bharati University, Shanti Niketan-731235, West Bengal, India

Atiqur Rahman

Seminars/Conferences/ Workshops

11th to 20th April, 2016.

Delivered two lectures on "Research Methodology Course on Qualitative Research in Social Sciences

(for Research Scholars)" sponsored by Indian Council of Social Sciences Research, New Delhi,

Organized by Department of Education, Visva-Bharati, Santiniketan from

11th to 20th April, 2016. Two day International Seminar at the Dept. of Persian, Visva-Bharati, University, Santiniketan, in collaboration with Rumi Foundation, Santiniketan on central theme of "Development of Art, Literature, Culture and Science under the Mughals in India", dated: x. The title of the paper presented: "Sufism and Rise of Fraternal Orders in Indian Sub-Continent". (English)
Participated in two day Workshop on Research Methodology, Organized by Visva-Bharati Library Network, Visva-Bharati during 27-28 March, 2017.

Three days International Seminar at the Dept. of Persian, Maulana Azad National Urdu University, Hyderabad in collaboration with NCPUL, on central theme of "The Indo-Persian Sources on Sciences and Technology" (with special reference to 21-23rd March, 2017. Deccani Persian Literature), dated: The title of the paper presented: "Persian Historiography in India with special reference to Qutub Shahi Period". (Persian)

10th March, 2017. Attended a lecture at the Dept. of Arabic & Persian, Visva-Bharati University, Santiniketan, on the topic of "Development of Arabic Language through the Ages" by Prof. Isharat Ali Molla, Dept. of Arabic & Persian, University of Kolkata, dated:

Two day International Seminar at the Dept. of Persian, University of Delhi, in collaboration with NCPUL, 11PS, Khana-e-Kitab & Iran Culture House, on central theme of "Munshi Naval Kishore and Printing-Press in Colonial India", dated: 23rd & 24th Feb. 2017. The title of the paper presented: "Contribution of Munshi Naval Kishore to the development of Persian Language & Literature". (Persian)

09th -11th February, 2017. Participated in three days National Workshop on Counseling, for teachers of Visva-Bharati, Organized by office of the Director-PSNS, Visva-Bharati, Santiniketan, from

Academic Visit:

Dr. Atiqur Rahman participated in 04 weeks 83th Persian Language & Literature Refresher Course, at Tehran, Iran from 03/08/2016 to 29/08/2016 organized by Saadi Foundation, Govt. of Iran and conducted by Allama Tabataba'i University,

Ongoing Project:

Ongoing project: Selection and analysis of the Persian articles of Ma'arif, journal of Darul Musannefin, Azamgarh from the beginning to 2013.

PUBLICATIONS (Research papers/ Articles):

Published Research paper entitled: "Sabk-e-Hindi wa Maaruftareen Shaerane ien Rawish" (Persian), in yearly Research journal Danish, 2015-16, Vol. XXXIII, page no.87-104, Post Graduate Department of Persian, University of Kashmir, Sri Nagar. (ISBN: 0975-6566)

Research Paper published in seminar proceeding book entitled: Urfi Shirazi wa Sabk-e-Hindi (Persian), Published by Publication Division, Institute of Persian Research, Aligarh Muslim University, Aligarh, 2016, The theme of International Seminar, was "Persian Language and Literature During Akbar's Reign and Safavi Period" page no.138-146. (ISBN 978-93-84876-95-1)

Published Research paper in a book, entitled: A.P.J. Abdul Kalam: A Role Model for Emerging India (English), Theme of book: Iconic Kalama (An Anthology of Thoughts & Practices), Edited by

Dr. Mohammad Shaheer Siddiqui & Subhankar Ghosh, New Delhi Publishers, New Delhi, 2016, page no.06-15, (ISBN:978-93-85502-22-4, Department of Education, Visva-Bharati. Santiniketan, W.B.

1. Dr. Mohammad Abdul Qadir Ahqar Azizi: Shakhsiyat aur Fun (Urdu), Adbi Gazette, International Yearly Urdu Journal, Volume no.7, Adila publications, U.P. 2016, Page no.146-151.

Designing New Course/ Curriculum or any other teaching innovations introduced

- (i) Prepared special Persian learning materials for the certificate students of the Department of Arabic, Persian, Urdu & Islamic Studies, Visva- Bharati University, Santiniketan.
- (ii) Prepared Persian learning Course for the Diploma students of Department of Arabic, Persian, Urdu & Islamic Studies, Visva- Bharati University, Santiniketan.
- (iii) Prepared a special Persian learning material for the B.A. Persian Preparatory students Department of Arabic, Persian, Urdu & Islamic Studies, Visva- Bharati University, Santiniketan.

Extension activities/NSS/Cultural and other activities organized by the Dept. and participated by the Teachers and students of the Department

Extra Curriculum activities:

1. Supervising and Screening of Persian Films as well as Persian animation films on every alternate Saturday for the students of B.A. (Hons) and M.A. Persian in the Seminar Hall of Dept. of Arabic, Persian, Urdu & Islamic Studies, Bhasha Bhavana, Visva-Bharati University since 04/02/2017.

Membership of Academic and Professional Bodies

1. Member, in the Editorial Board in the Quarterly journal since Feb. 2017, entitled: "Takhleeq-o-Tahqeeq", An International Refreed Research Value Urdu Journal, Adeela Publications, Doman Pura (Kasari) Mau Nath Bhanjan (U.P.)

Department of Indo-Tibetan Studies

Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations.

Departmental Seminars

National Seminar

27th-28th March, 2017: National Seminar on "Significance of Indo-Tibetan Studies: A Cultural Heritage of Nland Tradition", organized by the Dept. of Indo-Tibetan Studies, Bhasha-Bhavana, Visva-Bharati, Santiniketan.

Only International & National Conferences /Seminars/Workshop/Exhibition etc. attended and by Teachers / Research Scholars in details.

Anandamayee Ghosh

1. 27th-28th March, 2017: Delivered a lecture on "Nalanda and Nalendra from the Chinese and the Tibetan Sources organized by the Department of Indo-Tibetan Studies, Bhasha-Bhavana, Visva-Bharati, Santiniketan and also Chaired an academic session on 27th March, 2017.

Sanjib Kumar Das

1. 20th-21st February, 2017: Two-Day National Seminar on "Indian Grammatical Tradition" organized by the Asiatic Society, Kolkata. Attended and paper submitted on Indian Grammatical Tradition".
2. 14th April, 2016: One-Day National Seminar on "Relevance of Dr. B.R.Ambedkar for Inclusive Development in India" organized by the SC, ST & OBC Employees Welfare Association of Visva-Bharati. Participated and paper submitted on "Right and Responsibility: A Buddhist Perspective".
3. 27th-28th March 2017: Two-Day National Seminar on "Significance of Indo-Tibetan Studies: A Cultural Heritage of Nalanda Tradition" organized by Department of Indo-Tibetan Studies, Visva-Bharati. Participated and paper submitted on "Mahayana Doctrine and Philosophy: History and Authenticity".

Shedup Tenzin

1. 19th to 21st June, 2016: Delivered a lecture on "Glimpse of Yoga in Tibetan Buddhism" International Seminar on "Yoga: Buddhist and Other Ancient Indian Systems" on 20.06.2016, organized by Centre for Buddhist Studies and Department of Sanskrit, Pali&Prakrit, Visva-Bharati, Santiniketan.
1. 20th& 21st February, 2017: Delivered a lecture on "Tibetan Scholarship in the Field of Sanskrit Grammatical Studies: An Overview" on 21.02.2017, at Two Day Seminar on Indian Grammatical Tradition organized by the Asiatic Society, Kolkata.
2. 27th-28th March 2017: Delivered a lecture on: Indo-Tibetan Studies: A Legacy of "Nalanda Tradition" at the National Seminar on "Significance of Indo-Tibetan Studies: A Cultural Heritage of N?land? Tradition", on 27.03.2017, organized by the Department of Indo-Tibetan Studies, Bhasha-Bhavana, Visva-Bharati, Santiniketan and also Chaired an academic session on 27th March, 2017.
3. 23rd to 29th June, 2016: Attended a Workshop on "National Foundation for Communal Harmony" organized by Human Resource Development Centre, University of Burdwan (UGC sponsored Short Term Course).

Prakriti Chakraborty

1. 27th-28th March 2017: Delivered a lecture on "Educational System of Ancient Buddhist at the National Seminar on "Significance of Indo-Tibetan Studies: A Cultural Heritage of N?land? Tradition" on 27.03.2017, organized by the Department of Indo-Tibetan Studies, Bhasha-Bhavana, Visva-Bharati, Santiniketan

Sonam Zangpo

1. 30th-31st March, 2017: International Conference on "Development of Art, Literature, Culture and Science Under the Mughals in India", organized by the Dept. of Arabic, Persian, Urdu & Islamic Studies, Bhasha-Bhavana, Visva-Bharati, Santiniketan. presented a Research paper on 'Influence of Mughal Empire on Ladakhi Buddhist Kingdom and Especially on Namgyal Dynasty in 17th Century' on 31st March, 2017.
1. 3rd-4th December, 2016: National Seminar on "Literary Theory and Criticism in Indian Languages" organized by Tamil & Marathi Languages Units Bhasha-Bhavana, Visva-Bharati, Santiniketan. Presented a paper entitled 'Avad?nakalpalat? (rTogsbrJoddPag-bSam 'Khri-Shing): A Study in Indo-Tibetan Literature' on 3rd December 2016.
2. 27th-28th March 2017: National Seminar on "Significance of Indo-Tibetan Studies: A Cultural Heritage of N?land? Tradition", organized by the Dept. of Indo-Tibetan Studies, Bhasha-Bhavana, Visva-Bharati, Presented a paper on 'Lotsawa Rinchen Zangpo: An Icon of Indo-Tibetan Cultural Studies' on 28th March, 2017 and also chaired the parallel session.
3. Attended 2-Day Orientation Programme on 'The Myriad Ideas of Rabindranath Tagore' organized by the Tagore Studies Unit running under the Rabindra Bhavana, Visva-Bharati.

Norbu Gyaltsan Negi

1. 4th to 30th July 2016, attended the four week 'UGC Sponsored Orientation Programme', Organized by the Human Resource Development Centre, Himachal Pradesh University, Shimla.
2. 3rd-4th December 2016, attended a National Seminar on "Literary Theory and Criticism in Indian Languages", Tamil & Marathi Language Units, Bhasha-Bhavana, Visva-Bharati.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

1. Performed a Cultural Programme by the students on the occasion of 70th year of India 's Independent organized by Bhasha-Bhavana, Visva-Bharati Univeristy in August, 2016.
2. Performed a Cultural Programme by the group of students of the Department on the occasion of International Food Festival organized by the IndiraGandhi Centre for National Integration, Visva-Bharati University, Santiniketan on 28th February, 2017.
3. Performed a Cultural Programme by the students of the Department on the occasion of Bhasha Diwas, organized by Bhasha-Bhavana, Visva-Bharati University in February, 2017.
7. Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S etc.)

Shedup Tenzin

- 1 Attended the meeting of Steering Committee Meeting at the School of Far East Language (Chinese, Korean & Tibetan), School of Languages, Central University of Jharkhand, Ranchi

- 2 Attended the Board of Studies Meeting (Expert Syllabus Committee Meeting) for updating the existing syllabus and framing the new syllabus for BA and MA (IMA) respectively.

Publication within the year April 2016 - March 2017

Sanjib Kumar Das

1. What is Buddhist Studies?, ed. Sanjib Kumar Das. Buddhist World Press, 425, Nimri Colony, Ashok Vihar, Phase-IV, Delhi-110052, 2017; ISBN: 9789380852607
2. Prajnadanda, tr. & ed. Sanjib Kumar Das. Buddhist World Press, 2017; ISBN: 978938085291
3. Kagyu School and Lineage Masters, Sanjib Kumar Das. Department of Indo-Tibetan Studies, Visva-Bharati, Santiniketan, 2016; ISBN: 9788192265629
4. The Eyes of the World [Lives of Tibetan Lobsawas], Sanjib Kumar Das, Aayu Publications, New Delhi, 2017, ISBN: 9789385761605

Anandamayee Ghosh

1. May, 2016, (2560 B.E.), "Gautama Buddha: A Source of Rabindranath Tagore's Inspiration", The Maha Bodhi, Buddha Jayanti Issue, Kolkata: Mahabodhi Society of India, Vol. 123, pp. 69-72. ISSN: 0025 0406,
2. July, 2016, Charaibeti, Gautama Buddha Prathom Dharma Dhesna, p.5

Prakriti Chakraborty

1. Buddhism in Bengal: Past and Present; "What is Buddhist Studies", Editor- Dr. Sanjib Kumar Das, Published by- Buddhist World Press, Delhi, 2017, ISBN 9789380852607

Sonam Zangpo

1. A research article entitled 'Present Status and Future Prospective of Buddhism and Buddhist Studies in Northern Frontier India: An Introduction', "Buddhist Studies: A Prospective Dimension", Edited by Dr. Sanjib Kumar Das with bearing the ISBN: 978-9380852546 Buddhist World Press,
2. A Research article entitled 'Expansion of Bhikkhuni Sa?gha in North-West Himalayan Regions of India: A Glimpse', in "Bhikkhuni Sa?gha and Community", Edited by Dr. Sanjib Kumar Das with bearing the ISBN: 978-9380852560 Buddhist World Press,
3. A Research article entitled 'Kangyur and Tengyur: An Analytical Study', Page No. 85-102 in a book entitled "What is Buddhist Studies", Edited by Dr. Sanjib Kumar Das with bearing the ISBN: 978-9380852560 is published by Buddhist World Press

A Brief history on the development of the Bhavana/Sadana/Vibhaga concerned by the Department.

In 1954, the Department of Indo-Tibetan Studies was established as a separate Post-Graduate center with the financial assistance from the University Grants Commission (UGC) to promote research on age long cultural relations between India and Tibet. For a better understanding of the Tibetan texts and to remove ambiguities during the study of independent Tibetan commentaries, several scholastic Tibetan Lamas were invited to Santiniketan to work in collaboration with Indian scholars, to promote systematic study and investigation of Indo-Cultural relations down the ages. For more than three decades from 1954 till the mid 80ies late Ven. Chimed Rigzin Lama presided as the first Head of the Department and contributed much to its precious manuscript and xylograph collection. He also represented Visva-Bharati at research centers in Munich and Rome.

Co-founder of the Department of Indo-Tibetan Studies as a separate research unit, together with Chimed Rigzin Lama, was Prof. Suniti Kumar Pathak (born 1924), absolvent of Calcutta University and Buddhist scholar and thinker. Before joining Visva-Bharati, he was deputed to the eminent Russian Tibetologist George N. Roerich in Kalimpong. At Visva-Bharati, he got inspiration from Prabodh Chandra Bagchi, the eminent Sino-Tibetan Indologist, to devote himself to the restoration of the lost Indian traditions from the vast Tibetan source materials. He is living in Santiniketan at present.

Late Prof. Lama Chimpa, born in 1928 in Inner Mongolia, received his basic education at Hoshion Sume and Togatu Sume Monasteries. He then came to India in 1951, where he assisted George N. Roerich in compiling a Tibetan-Sanskrit Dictionary, in Kalimpong. Thereafter, he taught and worked for nine years at the International Academy Indian Studies in Nagpur and Delhi (1952-1961). He also taught at the Department of Buddhist Studies, Delhi University. He assisted Raghu Vira and Lokesh Chandra in compiling the Mongolian-Sanskrit Dictionary.

Tulku Dhondup Rinpoche was another illustrious Lama who served the Department of Indo-Tibetan Studies at Visva-Bharati. He taught Tibetan and Tibetan literature at Lucknow University (1967-76) and at Visva-Bharati (1976-80). At present Tulku Thondup lives and teaches in the United States, where he published extensively.

By this way Visva-Bharati became a leading international center for research on Indo-Tibetan Studies and Buddhism.

In 2003, the Department celebrated its Golden Jubilee, which was inaugurated by His Holiness the XIV Dalai Lama.

Objectives of the Department envisioned by Prof. P. C. Bagchi

- (a) To promote systematic study and investigation of Indo-Tibetan Cultural relations down the ages
- (b) To arrange for study of Tibetan Culture in general and Indo-Tibetan Buddhist studies in particular
- (c) To restore the lost Sanskrit texts preserved in Tibetan translation
- (d) To make Tibetan texts available in translated versions both in Indian and foreign languages
- (e) To promote research in the Indo-Tibetan field through exchange of information with other cultural and scientific bodies in India and abroad engaged in similar research
- (f) To publish monographs containing results of study and research undertaken by the staff and students of the department
- (g) To train Tibetan scholars in the study of Sanskrit and Pali texts and Sanskrit scholars in the study of Tibetan texts
- (h) To provide for a course in Classical and Modern Tibetan language leading to a Certificate of Proficiency followed by an advanced course leading to a diploma in the same subject
- (i) To establish a Research Library and Museum to cover the Indo-Tibetan Studies field
- (j) In this way, the Department of Indo-Tibetan Studies is to recover the lost treasures of Indian culture from the Tibetan and Tibetan allied source materials.

DEPARTMENT OF SANTALI

Name of the students qualified in UGC-NET

Satyajit Tudu

Only national and International standard Conference/Seminar/ Workshop / Exhibition etc. attend by the Teachers/ Research scholars in details.

Sanat Hansda

1. 28th & 29th September, 2016: Presented a paper on the Topic 'Santali Lok Sahitya Abom Bachic Sahitya' in two days seminar, organized by Sahitya Akademi, New Delhi on 28th -29th September-2016. At EZCC, Srijani, Sriniketan , W.B.

Dhaneshwar Manjhi

1. 9th & 10th April, 2016: Presented a Paper 'How to Develop the Santal' in two day National seminar 'How to Develop the Santal' Organized by Disom Jaher Gaonta, Dhruwa, Ranchi in Collaboration with Lugu Buru Ghanta Bari Suraksha Samiti, TTPS, Lalpania, Bokaro, Jharkhand, Reg.No.-1080/09-10, at Disom Jaher Garh, Dhruwa, Ranchi.
2. 5th May, 2016: Special Guest & Lecturer in School Establish Day celebration of Guru Gomke Pandit Raghunath Murmu Birth anniversary' at Pandit Raghunath Murmu School, Nayabasad, Paschim Midnapur, Pin- .
3. 17th & 18th July, 2016: Session Chair & Presidential Lecture 'History of Santali Literature' in two day National seminar 'History of Santali Literature' on Organized by Sahitya Akademi, New Delhi Collaboration with North Odisha University at University Hall, Sri Ramchandra Vihar, Takatpur, Baripada, Mayurbhanj, Odisha.
4. 19th July, 2016: Present a Paper 'Santali Gayan aar Mit Kita Gayan: Enag aar Nit' in UGC, Sponsored National level Seminar Santali Novel and One Act Play: Past and Present (Santali Gayan aar Mit Kita Gayan: Enag aar Nit) Organized by MPC Autonomous College, Takatpur, Baripada.
5. 9th August, 2016: Special Lecturer of World Indigenous People Day Celebration at Gitanjali Bolpur, Birbhum, West Bengal. Organized by World Indigenous People Day Celebration forum, Bakjulu, Umul and ASSA, Visva-Bharati, Santiniketan, W.B.
6. 14th September, 2016: Special Lecturer of 'Baha' in ICSSR Sponsored one Day National Seminar on Audio-Visual Documentation, Translation and Analysis of the Santal Folk narratives & Performances in Select of West Bengal, Jharkhand and Odisha' Organized by ICSSR Project, Department of Santali, Vidyasagar University, W.B.
7. 28th & 29th September, 2016: Local Coordinator & Key note Address of Santali Folk Literature and Oral Literature in Two Day National Seminar of Sahitya Akademi, New Delhi Collaboration with EZCC, Sirjoni, Santiniketan,
8. 3rd & 4th December, 2016: Present a Paper 'Criticism in Santali Literature' in Two Day National Seminar on 'Literary Theory and Criticism in Indian Languages' on Tamil & Marathi Language Units, Bhasha-Bhavna, Visva-Bharati, Santiniketan, W.B.
9. 22nd December, 2016: Presented a paper Santali Language Day Celebration on Organized by ASECA, Asansol, W.B. at Burnpur, Conference Hall.

10. 2nd February, 2017: Special Lecture on Kabi Sarada Prasad Kisku Birth Celebration 2nd February, 2017. Organized by Gaonta, at Jamtoria, Purulia, W.B.
11. 5th February, 2017: Santali Model School & Hostel Visit and Lecturer on Organized by ASECA, Mursidabad at Choldighi, Polsonda, Mursidabad, Birbhum, W.B.
12. 27th February, 2017: Special Lecturer on Santali Literature on Lecture seizes 'Carca' 27th February, 2017. Organized by Department of Centre for Comparative and Literature, Bhasha-Bhavana, Visva-Bharati, at Bhasha-Bhavana Conference Hall.
13. 7th March, 2017: Chair a Session and Present a Paper 'Modern Santali Poetry Literature in One Day International Seminar on 'Modern Santali Literature' Organized by Department of Santali, Bankura University, Bankura, New Campus (Beside N.H.-60), and W.B.
14. 10th March, 2017: Present a Paper 'Modernity in Santali Poetry Literature' on U.G.C. Sponsored Two Day National Seminar on 'Modernity and Santali Literature' Organized by Department of Santali, P.R.M.S. Mahavidyalaya, Bankura University, Baragari, Bankura and Collaboration with Birsa Munda Memorial Collage, Pirrah, Bankura, W.B. at Seminar Hall, Department of Santali, P.R.M.S. Mahavidyalaya, Bankura University.
15. 11th March, 2017: Present a Paper 'Poetry in Kabi Sarada Prasad Kisku (Bhurka Ipil) on Sarada Prasad Kisku Birth and Award ocazan Organized by Paschim Banga Santali Academy (Under Tribal Development Department) Governmet of West Bengal at D.M. Hall, Jhargram, W.B.
16. 23rd & 24th March, 2017: Chair Session on 'Identity of Santali' and Present a Paper 'Save of Language Group' (Pa.rshi Gadel reyag Banchao) on 'Santals on the Margins: Challenges & Opportunities' Sponsored by Department of Higher Education, Government of West Bengal and Organized by Department of Santali, Salboni Government College, Koyma, Bhimpurm, Paschim Midnapur.
17. 30th & 31st March, 2017: Present a Paper 'Jan-Vijay ka Udghosha Muktibodh evam Santali Kabi Sarada Prasad Kisku' on Muktibodh Janm-Satabdi Samaroh National Seminar Organize by Department of Hindi, Bhasha-Bhavna, Visva-Bhartai,

Publish Paper/Article/: Sabarnakha Due Dhare 'Uni chekay Kusiya'

- Member: 1. Equal Opportunity Cell of the Univesity of Visva-Bharati, Santiniketan.
2. Paschim Banga Santali Academy.

Dukhia Murmu

1. 22nd February, 2016: Presented a paper in the National Seminar on " A Philosophical Thoughts of Thiruvalluvar". Organized by Department of Tamil and Marathi Language Units Bhasha Bhavana Visva- Bharati, Santiniketan at- Bhasha Bhavana conference Hall.
2. 3rd and 4th December, 2016: Presented a paper in the National Seminar on "Literary Theory and Criticism in Indian Language". Organized by Department of Tamil and Marathi Language Units Bhasha- Bhavana ,Visva- Bharati , Santiniketan at- Bhasha Bhavana conference Hall.
3. Presented a paper in the National Seminar on "Santali Language, Literature and Culture" Organized by All India Santali Sahitya Sobha, Kolkata-700040 at- Chilimpur Mission Citrighutu, Birbhum West Bengal.
1. 20th to 25th June, 2016: Attended the National Translation Mission (NTM) Workshop on "Compilation & Finalization of glossary in Santali for Mathematics in NTM Library at Central Institute of Indian Languages, Mysore.

Mansaram Murmu

National Seminar

1. 22nd December, 2016: Presented a paper Santali Language Day Celebration on 22nd December, 2016. Organized by ASECA, Asansol, W.B. at Burnpur, Conference Hall.
2. 23rd & 24th Mach, 2017: Presented a paper on the two days national seminar on the Santali Marriage song (folksong) in Santali on the margins challenges and opportunities sponsored by Dept of Higher Education, Govt. of W.B organized By Department of Santali, Salboni Govt. College, Koyma, Bhidnipur, West Midnapur.
3. 30th & 31st March 2017: Attend the rastrya songosti muktibod janma stabdi samaroh at Hindi bhavana, visva Bharati, Santiniketan on Santali folksong.

Published an Article:

- 1) Published an article 'Ayo Arang' in patrika 'Madol' (Sabar nakhar duidhare) dasai and hudurdurga sankha pratham barsa ditya sankha, shraban -1423 bangla.
- 2) Published an article Title of the 'Dasai babad tumal yam katha, on the patrika "Madol" published the dasai and hudurdurga sankha-2016.
- 3) Published an article title 'Fagun chado baha' in the "Umul" patrika, vol-15 ,no-1, January-march -2017

Refresher course:

12.07.2016 to 01.08.2016: Attended a Refresher course in the 'Environmental studies and Disaster Management' at UGC, Human Resource Development centre, Ranchi University, Ranchi, Jharkhand.

Tapan Soren

1. 28th & 29th September, 2016: Present a Paper "Santali marriage Song." at National Seminar on "Santali folk Literature and folklore" Organized by SAHITYA AKADEMI, New Delhi with collaboration Eastern Zone Culture Centre, Kolkata
2. 3rd & 4th December, 2016: Presented a paper in the two day national Seminar on 'Literary theory and Criticism in Indian Language, held Bhasha-Bhavana, V.B. organized by Tamil and Marathi Language Units, Visva-Bharati, Santiniketan.

Orientation programme

Participated on the UGC. Sponsored 86th orientation on programme from 15/03/2017 to 11/04/2017. Venue at Academic Staff College, Ranchi University, Ranchi, Jharkhand

Ramu Hembrom

09th & 10th April, 2016: Present a Paper "How to Develop the Santal in Agriculture" at National Seminar on "How To Develop The Santal" Organized by Disom Jaher Gaonta, Dhruwa, Ranchi, Collaboration with Lugu Buru Ghanta Bari Surakha Samiti, TTPS, Lalpania, Bokaro.

17th & 18th July, 2016: Present a Paper "Santal Lokgit" at National Seminar on "History of Santali Literature" Organized by SAHITYA AKADEMI, New Delhi, Collaboration with North Odisha University, Baripada, Mayurbhanj, at University Auditorium, Sriram Chandra, Vihar, Takatpur, Baripada, Mayurbhanj, Odisha.

19th July, 2017: Present a Paper "Santar Sawanta re chiki pasnaw lekate khelond : Bidu Chandan" at National Seminar on "Santali Gayan aar Kita.gayan : enang aar nit" Organized by Dept. Of

Santali, M. P. C. Autonomous College, Takatpur, Baripada, Mayurbhanj, Odisha.

28th & 29th September, 2016: Present a Paper "Redial in Santali folk literature." at National Seminar on "Santali folk Literature and folklore" Organized by SAHITYA AKADEMI, New Delhi with collaboration Eastern Zone Culture Centre, Kolkata, Venue - EZCC, Srijoni, Santiniketan.

30th November, 2016: Delivered Special Invited lecture at GORAIPUR SIRJON GAONTA, Dakhinsiwur (Goraipur) Birbhum on Santal Culture.

14th & 15th February, 2017: Present a Paper "Some Change in santal culture in present era" at International Seminar on "The Santal and there Culture" Organized by Dept. Of Santali, Vidyasagar University, Midnapore, W.B., India.

23rd & 24th March, 2017: Chair in a Paper "Santal Culture : beliefs and Scientific view of santal culture in contemporary era" at National Seminar on "Santals on the margins : Challenges and opportunities" Organized by Dept. Of Santali, Salboni Govt. College, Koyma, Bhimpur, Poschim Midnapur.

Ongoing Research Projects in the Department

i. Name of the Teacher-

(I) Mr. Sanat Hansda (PI)

(II) Dr. Dhaneshwar Manjhi (Co-PI)

ii. Name of the Project- Development of Shallow Parser tools for 12 Indian Language (SPT-LL)

iii. Sponsoring Agencies-Government of India, Ministry of Communication and Information Technology, Department of Information Technology.

iv. Amount Sanctioned - 36.00 Lakh,

v. Duration of the project- 3 Year

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

(i) The Santali Department actively participated and opened a stall 'Ananda Bazar' organize by Karmi Sabha, Visva-Bharati.

(ii) Participation all students of Santali Department NSS and Gandhi Punna.

(iii) Participation as a volunteer of all students of Santali Department Push Mela and Dol Utsava. Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

DEPARTMENT OF MARATHI

Departmental Seminar (Speakers, Title of the Seminar, Date) -

3rd & 4th December 2016. Dept.of Marathi and Tamil organized National Seminar topic on "Literary Theory and Criticism in Indian Languages"

Only national and International standard Conference/Seminar/ Workshop / Exhibition etc. attend by the Teachers/ Research scholars in details.

Ranvir Sumedh Bhagwan

1. 30th & 31st March 2017, Presented a Paper on the topic "Shehanshah Upanyas: Marathi Aetihasic Upanyasonka Shirshbindu", in two days International Seminar organized by Dept. Of Arabic, Persian, Urdu & Islamic studies, Visva-Bharati.
2. 27th & 28th March, 2017, Presented a paper on the topic 'Dr.B.R.Ambedkar ke "Buddha aur unka Dhamma" is kitab ka Aadhunik Budd Sahitya pr Prabhav', in two days National Seminar organized by Dept.of Indo-Tibetan Studies, Visva-Bharati.
3. 30th & 31st March 2017, Presented a paper on the topic "Muktibodh Marathi Bhasha aur Shahitya ke sandarbh me", in two days National Seminar organized by Dept.of Hindi, Visva-Bharati.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

1. Holding the post of In-charge, Marathi Dept.
2. Programme officer of the NSS Unit, Bhasha-Bhavana.
3. Vice-Principal of Bhasha-Bhavana.

Publications within the year April 2016-March 2017

1. Published paper in Visva-Bharati Patrika (Hindi) entitled "Marathi Sahitya ke Itihas Lekhan ki Parmpara aur Swarup" April 2016 to June 2016. ISSN 2348-4977. Editor. Mukteshwar Nath Tiwari.

DEPARTMENT TAMIL

Only national and International standard Conference/Seminar/ Workshop / Exhibition etc. attend by the Teachers/ Research scholars in details.

Senthil Prakash.S

22nd February, 2016: Presented a paper in the National Seminar on " A Philosophical Thoughts of Thiruvalluvar". One day 22nd February, 2016, Organized by Department of Tamil and Marathi Language Units Bhasha Bhavana Visva-Bharati, Santiniketan, Bhasha Bhavana conference Hall.

4th May 2016. Paper presented on "Folk manuscripts and Comparative Literature ' in the 20 day workshop on :Manuscript logy and paleography" organized by Department of Tamil, Arignar anna government arts college, Tamilnadu

3rd and 4th December, 2016: Presented a paper in the National Seminar on "Literary Theory and Criticism in Indian Language" . Two days from 3rd and 4th December, 2016 Organized by Department of Tamil and Marathi Language Units Bhasha- Bhavana , Visva- Bharati , Santiniketan at- Bhasha Bhavana conference Hall.

1st and 2nd March 2017: Presented a paper in the National Seminar on "Sangam Literature" Organized by DK Vaisanava College, Arumbakam, Chennai.

12th to 17th December, 2016: Participated in the Training cum workshop on Item writing in Tamil organized by National Testing Service-India at Central Institute of Indian Languages, Mysore

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department. -

- (i) Tamil Cinema Festival about Tamil Short films- 5th and 6th December 2016.
- (ii) Tamil oratorical Competition for Non-Tamil Speakers-18th March 2017.
- (iii) Organized Tamil SHORT STORY Reviews in the Department-14th and 15th Feb 2017.
- (iv) Organized National Level Seminar on "Literary theory and Criticism in Indian Languages" on 3rd and 4th December 2016.

Academic distinctions gained by Teachers/Scholars or the Department as a whole -Senthil Prakash.S Assistant professor in Tamil gained his Doctoral Degree from the Bharthiar University Coimbatore. -Associate Editor -Modern Tamil Research Journal, Trochee, ISSN-2321-984X -Editorial Board Member, Pandiaya Nadu Research Journal, Madurai.

Publications within the year April 2016-March 2017.

Sangam Kattum Vangam, Seviyal ilaakiyangal Panmuga Parvavi, Kangarani Publiction, Chennai, ISBN-978-81-909327-2-1.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department. Revised Syllabus for Certificated and Diploma in Tamil

Introduced new Courses-Advanced Diploma in Tamil, Selective Paper for BA Level in CBCS.- FOUR PAPERS.

DEPARTMENT OF JAPANESE

Nippon Bhavana

Departmental Seminar (Speakers, Title of the Seminar, Date)

37 Speakers from Japan, Bangladesh and India, International Conference on 'Tagore and Japan & Various Cultural Aspects of Japan and Her Culture' held on August 26 & 27, 2016

Mr.Hiroaki Konishi, Ms. Kyoko Ogawa and Ms. Yukiko Wakana, Japan Foundation Language Experts in India, Workshop on Japanese-Language-Teacher Training Course, Part 2 in Santiniketan from January 19-25, 2017. The programme was organized with the kind patronization of the Japan Foundation, New Delhi.

Mr.Daisuke Kodama, First Secretary, Embassy of Japan, New Delhi, 'Japan Higher Education Seminar 2017' on January 24, 2017

Prof.Shinobu Kuranaka, Daitobunka Daigaku, Japan & Mr. Masayuki Taga, Honourable Consul General of Japan, An academic interaction on the occasion of the 'Japan-India Friendly Exchange year 2017' on February 20, 2017.

Only National and International standard Conference /Seminar /Workshop /Exhibition etc. attended by Teachers/Research scholars in details.

Gita A. Keeni

Invited to the Academic Symposium in the Sixtieth Anniversary Conference of the Association for the Study of Japanese Language and Literature the Theme of the Conference being "Japan and India: Civilization's Universality and Endemism" and chaired the panel titled "The contribution of Japanese Litterateurs and Rabindranath Tagore in creation of peace and inquiry into humanity" and made a presentation on "Kenji Miyazawa and Rabindranath Tagore: their contribution towards humanity -My views". The conference was held at the Aoyama Gakuin University, Tokyo, Japan, on June 4th and 5th, 2016.

Attended the 132nd Research Institute for Humanity and Nature (RIHN) Seminar and presented a paper on 'Humanity and Nature from the view point of Japan and Bengal and with regard to rain and Monsoon' June 7, 2016.

Organized, attended and presented a paper on "The Uniqueness of 'Bushido: the Soul of Japan' and Inazo Nitobe" in the International Conference on "Tagore and Japan & Various Aspects of Japan and Her Culture" held on August 26-27, 2016 at Santiniketan.

Attended and presented a paper on "Translation as a tool to connect the people of different cultures: Bengal and Japan (Highlighting the works of Rabindranatha Tagore and Kenji Miyazawa)" in October 26-27, 2016.

Attended the AAS Annual Conference held at Toronto, Ontario, Canada during March 16-19, 2017 being invited by the Japan Foundation, New Delhi.

Ajoy Kumar Das

Attended and presented a paper on "Historical Development of Primary Education in Japan and India: A Comparative Analysis" in "Tagore and Japan and Various Aspects of Japanese Culture", held on August 26-27, 2016 at Santiniketan.

Sudipta Das

Attended and presented a paper on "The Fascinating Tea Ceremony: A Reflection of Japanese Character" in 'Tagore and Japan and Various Aspects of Japanese Culture', held on August 26-27, 2016 at Santiniketan.

Attended and presented a paper on "India-Japan Civilian Exchange from 1890 to 1960 - Focusing on the Bengal and Japan Cultural Exchange" at the meeting of the Japan Foundation's fellows 2016 Tokyo, Japan in January 12, 2017.

Attended and presented a paper on "India Japan Private Exchange", held on January 25, 2017 in Reitaku University, Japan.

Member of "Japan-India Association", Japan.

Md. Aliul Azim

Attended and presented a paper on "Times of Japan" in 'Tagore and Japan and Various Aspects of Japanese Culture' held on August 26-27, 2016 at Santiniketan.

Participation in Workshop

Organized and Participated in the Japanese-Language-Teacher Training Course, Part 2 in Santiniketan from January 19-25, 2017 conducted by the Japanese Language Experts from Japan Foundation. The programme was organized with the kind patronization of the Japan Foundation, New Delhi

On-going Research Projects in the Department NIL

- i. Name of the Teacher
- ii. Name of the Project
- iii. Sponsoring Agencies
- iv. Amount Sanctioned

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

Workshop on Japanese Culture, Department of Japanese (Nippon Bhavana) in collaboration with the Japan International Cooperation Agency (JICA) April 14-15, 2016

Inaugural programme of the Yearlong Centenary Celebration of Tagore's Maiden visit to Japan on the auspicious occasion of Tagore's arrival at Kobe, Japan at Udayan Griha, Rabindra-Bhavana, May 29, 2016

A musical evening of the 'Fusion of Japanese and Bengali Folksongs' Folk Songs Japan & Bengal July 4, 2016

The Chikushi Jogakuen University, Fukuoka, Japan visited Santiniketan during February 24-26, 2017 and had a Cultural interaction with the students of the department on February 24, 2017.

'In-Field Studio 2017 in Santiniketan' collaboration with Vadodara Design Academy, March 13-21, 2017

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.) NIL**Publications within the year April 2016 - March 2017**

i) Text books ii) Other books iii) Monographs iv) Research Papers. (Author(s), title of Paper, year Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals : National/ International.

Gita A. Keeni

"The Uniqueness of 'Bushido: the Soul of Japan' and Inazo Nitobe" in 'Tagore and Japan and Various Aspects of Japanese Culture', pp 113-124, Visva-Bharati Granthan-Vibhaga, ISBN: 978-81-7522-649-4

Nihonkenkyu, No.57, pp:50-56, International Research Center for Japanese Studies, Kyoto, Japan, September 2016, ISSN 0915-0889

Ajoy Kumar Das

"Historical Development of Primary Education in Japan and India: A Comparative Analysis" in 'Tagore and Japan and Various Aspects of Japanese Culture', pp235-242, Visva-Bharati Granthan-Vibhaga, ISBN: 978-81-7522-649-4

Sudipta Das

"The Fascinating Tea Ceremony: A Reflection of Japanese Character" in 'Tagore and Japan and Various Aspects of Japanese Culture', pp131-142, Visva-Bharati Granthan-Vibhaga, ISBN: 978-81-7522-649-4

[India-Japan Private Exchange case study of less known persons through the art interchange of Bengal], (Gakujutsu Kenkyusha), Japan, ISBN: 978-4-86584-219-7

Md. Aliul Azim

"Times of Japan" in 'Tagore and Japan and Various Aspects of Japanese Culture', pp125-130, Visva-Bharati Granthan-Vibhaga, ISBN: 978-81-7522-649-4

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

A MoU with regard to student exchange was signed between Reitaku University, Japan and Visva-Bharati, Santiniketan in March

Prepared syllabus for Japanese Undergraduate Courses (B.A.) under Choice-Based Credit System framed following the Guidelines provided by the UGC

Designed a curriculum for a 12 weeks course for National Institute of Technology (NIT), Durgapurscheduled to begin from August 20, 2017

10. A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

Visva-Bharati, in keeping pace with its global character started the department with two-year Certificate and one-year Diploma Courses in the year 1954 under Dr. Probodh Chandra Bagchi. This is the first university in India to introduce Japanese Language courses. Since its inception many eminent Japanese Scholars came to Santiniketan on teaching assignments and were attached to the department. In the initial stage of the department, Japanese Buddhism and Language were taught.

In the year 1976, Japanese was introduced as a subsidiary subject in the High School level of Visva-Bharati. This is the only place, where Japanese Language is being taught at the High School level. Till 2001 the teachers of the department actively took part in the teaching of Japanese Language at the High School level.

In the year 1999, the department started four-year B.A. Honours Course. Subsequently, M.A.

Course was introduced in the year 2006 and PhD Course in 2011.

The Year-long Centenary Celebration of Tagore's Maiden visit to Japan was celebrated through several cultural and academic events. The highlight of the celebration was the holding of an International Conference titled 'Tagore and Japan & Various Cultural Aspects of Japan and Her Culture' in which scholars from Japan, Bangladesh and India participated.

Future Plans:

The department intends to expand with the view to keep in pace with the present requirement of Japanese Language in India. Along with its development in the new academic fields, the department aims to grow as a cultural center as well as a research center for Japanese Studies in order to have a better understanding of both the societies. The library with a large number of books in Japanese and in English (on Japan) can provide necessary guidance to the scholars of Japanese Studies. In 2015 a MoU was signed between Visva-Bharati and Reitaku University, Japan and few other Japanese universities and educational institutions are showing interest to establish cultural as well as academic ties with the department of Japanese (NipponBhavana). This endeavour of the department may work as an impetus to enrich the international character of the university and strengthen the age-old cultural relation between India and Japan.

DEPARTMENT OF CHINESE LANGUAGE & CULTURE

Scholarship/ Achievements

In 2016, *Four students* were selected by the Indian Government for Human Resource Development Ministry Chinese Government Scholarship, Government of India, to pursue studies in China under the India-China Bilateral Cultural Exchange Programme.

In 2016, **Four students** went to China for higher studies under the Chinese Government Scholarship

Departmental Seminar (Speakers, Title of the Seminar, Date)

Department of Chinese Language & Culture, Cheena-Bhavna (Bhasha-Bhavna), Visva-Bharati organized a one day Chinese Talent Search Competition on 16th April, 2016.

Visva-Bharati and Department of Chinese Language & Culture, Cheena-Bhavna (Bhasha-Bhavna), jointly organized a Distinguished Lecture series (Ministry of External Affairs, govt. of India) on 5th May, 2016 at 6 p.m. at Central Library Conference Hall, Visva-Bharati; Topic: “India-China Relations: Looking Ahead” ; Speaker: Sri Ashok. K. Kantha, Director Institute of Chinese Studies, Delhi & Former Indian Indian Ambassador to People’s Republic of China.

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

Seminar/Conferences/Workshop

Attended the Second Annual National Level Conference in History organized by the Paschimanga Anchalik Itihas O Lokosanskriti Charcha Kendra in collaboration with the Department of History, Surendranath College and Institute of Landscape Ecology and Ekistics on 2nd & 3rd April, 2016 and present a paper entitled “Dhammapader Prasangikata”.

Attended the Conference on “Tagore and China” held on 7th May, 2016 in Kolkata in commemoration of the 155th Birth Anniversary of the Noble Laureate Rabindranath Tagore jointly organized by Consulate General of People’s Republic of China in Kolkata, in cooperation with Cheena Bhavana, Visva- Bharati University, Santiniketan and other Institutions.

Attended the UGC sponsored National Seminar on Challenges to Sustainable Development in Rural India : Education, Gender Inequality and Women Empowerment held on 22nd and 23rd November, 2016. Organised by the Department of History & Economics, Krishna Chandra College, Hetampur, Birbhum in collaboration with Chandidas Mahavidyalaya, Khujutipara, Birbhum, West-Bengal, India and presented a paper entitled “Empowerment of women in Rural Indai”.

Participated in the 33rd Annual Conference of Paschimanga Itihas Samsad held from 24th to 26th January, 2017 at Basanti Devi College, Kolkata & presented a paper entitled Bauddha Nitisastra”.

Participated in the two-day Orientation Programme on “Rabindranath Tagore and his Myriad Creativity” organized by the Department of Tagore Studies, Visva-Bharati on 19th March & 26th March, 2017 at Lipika Auditorium & Natyaghar, Santiniketan respectively.

Publication:

Article entitled “Dhammapader Prasangikata”, published in the proceeding volume, Itihas O Sanskriti (in Bengali), Volume-II, year 2016.

ISSN 2394-5737, ISBN 978-81-926316-4-6 Pg. 149-155.

Avijit Banerjee**Seminar/Conferences/Workshop**

Chaired a session in an International Conference on “Tagore and China” in commemoration of the 55th birth anniversary Noble Laureate Rabindranath Tagore held on 7th May, 2016 in Kolkata jointly organized by Consulate General of People’s Republic of China in Kolkata, in cooperation with Cheena Bhavana Visva- Bharati University, Santiniketan

Presented a paper on ‘Lu Xun and Tagore’ in the International Conference on “ Lu Xun and Tagore- Dialogue between Masters” organized by Lu Xun Cultural Foundation, China from 12th to 17th June, 2016 at Beijing, Shaoxing and Shanghai.

Presented a paper on ‘India-China Civilizational Interaction: A Brilliant Illustration of resemblance of culture and friendship between the people of two countries’ in the “ International Confucian Forum: Exchanges and Mutual Learning Among Asian Civilizations” organized by International Confucian Association at Beijing from 8th to 12th July, 2016.

Presented a paper on ‘China’s Belt and Road Initiative: Challenges and Prospects for West Bengal and North Eastern States of India’ in the “2016 World Special Economic Zone (Changbai Mountain Development Forum: “One Belt, One Road” Strategy and Special Economic Zone Development” organized by China Center for Special Economic Zone Research, Shenzhen University, at Changbai Mountain, China from 18th to 21st September, 2016.

Presented a paper on “Indian Buddhist Monks in China – A brilliant illustration of India-China Educational and Cultural Exchange” in the International Seminar on “Xuan Zang and India-China Friendly Interaction” jointly organized by Consulate General of the People’s Republic of China in Kolkata and Nalanda University at Kolkata on 7th November, 2016

Visited Yunnan and Shanghai of People’s Republic of China for educational and culture exchanges between India and China from 29.12.2016 to 04.01.2017 as a member of the University Delegation

Publication:

Co Editor: “zhongguoqingnian yanzhongdeyindu” “India in the eyes of the Chinese Youth”, Yunnan University, Kunming, China, April 2016, ISBN- 978-7-5482-2519-5

“ A Review of the Scholarly Activities of Christian Missionaries and Indian Buddhist Monks in China with Special Emphasis on Ancient Chinese Documents: ThePrimarySourcesofChina Studies in India” in the book entitled “ Understanding 21st Century China in Buddhist Asia: History, Modernity and International Relations” edited by Prof. Prapin Manomaivibool, Prof Chih-yu Shih, Asia Research Center, Chulalongkorn University, Bangkok, 2016, pp.-183-201, ISBN- 978-616-407-010-3

Debdas Kundu

Acted as Teacher in Charge from Visva-bharati in the Work and Study Tour at Yunnan University, Kunming, China from 2nd to 12th June, 2016.

Atreya Bhatta

Seminar/Conferences/Workshop

Participated in the 105th Orientation programme at the University of Burdwan from 1st September to 28th September, 2016 and successfully completed with A Grade.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department.

Consulate General of People's Republic of China in Kolkata, in cooperation with Cheena Bhavana, Visva- Bharati and other Institution jointly organized an International Conference on "Tagore and China" on 7th May, 2016 in Kolkata commemorating the 55th birth anniversary of Noble Laureate Rabindranath Tagore.

The Army Commander, Eastern Command visited Cheena-Bhavana on 11th June, 2016 and interacted with the students and faculty of Cheena-Bhavana, Visva-Bharati.

Two Prominent Calligraphers from China Mr. Liu Fein and Mr. Feng Yingjie visited Cheena-Bhavana, Visva-Bharati on 28th June, 2016 and exhibited their calligraphy.

The Language Laboratory at Cheena-Bhavana was inaugurated on 5th August, 2016, by Consul General of China in Kolkata, Mr Ma Zhanwu and Vice-Chancellor, Visva-Bharati University, Prof Swapan Kumar Dutta.

Visva-Bharati Cheena-Bhavana with Consul Office of China in Kolkata jointly organized a Chinese Culture Programme on 19th August, 2016 at 2.00p.m. at Natya Ghar, Visva-Bharati.

Visva-Bharati Cheena-Bhavana with Consulate Office of People's Republic of China in Kolkata jointly organized a Chinese Language Competition on 27th September, 2016 at Cheena Bhavana in which JNU, BHU, Central University of Jharkhand, Central University of Gujrat, Jamia Milia University, Visva-Bharati Cheena Bhavana participated.

The Ambassador of India to Egypt Shri Sanjay Bhattacharya visited Cheena-Bhavana on 1st October, 2016 and interacted among students and faculty of Cheena-Bhavana, Visva-Bharati.

A ten member delegation including Vice-Chancellor, Registrar, Principal, Bhasha-Bhavana, Visva-Bharati and Teachers & Students of Cheena-Bhavana, Visva-Bharati went to visit Yunnan and Shanghai of People's Republic of China for educational and culture exchanges between India and China from 29.12.2016 to 04.01.2017.

Cheena Bhavana, Visva-Bharati in association with Consulate General of the People's Republic of China in Kolkata held a Chinese musical programme at Lipika Auditorium on 16 March 2017 with enthusiastic participation by the teachers and students. The Chinese musicians played the traditional Chinese music instruments as well as such instruments as violin, viola and cello.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

Memorandum of Understanding between Visva-Bharati and Yunnan

In order to encourage contact and cooperation between the faculty members, departments and other affiliated institutes and programmes, Visva-Bharati and Yunnan University, Kunming, China

signed an **MOU in July, 2011**. Under this programme, till date, one hundred students from Yunnan University visited Visva-Bharati and about eighty students from Visva-Bharati visited Yunnan University. The MOU had also provision for exchange of faculty between the two universities.

Visva-Bharati Cheena Bhavana Library has signed MOA (Memorandum of Agreement) with Shanghai Library, People's Republic of China on **November 03, 2016** for three years. Through this MOA, Shanghai Library will provide 500 copies of books in the 1st year of MOA and subsequently 100 books per year. This will be of great help in collection and development of Cheena Bhavana Library, Library resource sharing would be possible for library catalogue database, books, journals, etc., This MOA between the two libraries possess important significance for India China educational exchanges

Visva-Bharati University signed an MOU with Yunnan Minzu University, Kunming, Chin on **31st December, 2016** which is intended to further academic objectives of each institution and to promote better understanding between the faculty and students of Visva-Bharati University and the faculty and students of YMU.

Visva Bharati University, Santiniketan and Indian Army's Eastern Command signed a Memorandum of Understanding (MoU) for Educational Cooperation Tuesday at Fort William, Kolkata on **14th February, 2017** where Cheena Bhavana has been entrusted with the task of teaching Chinese to the Indian Army personals.

Teachers Training Course

Cheena-Bhavana, Visva-Bharati University **organized a Fourteen day's Teacher's Training Course from 6th February, 2017 to 20th February, 2017** in association with consulate Officer of the People's Republic of China in Kolkata. Three Eminent faculties from Beijing University, China deliver lecture on the new techniques of teaching Chinese Language. Teachers and Research Scholars from JNU, Central University of Jharkhand, Central University of Gujrat, Dehradoun University, Visva-Bharati Cheena Bhavana various Universities and some other schools and colleges in India participate in this programme. Teachers from the department included chiranjbi Sinha, Smt. Hem Kusum, Joyeeta Ganguly, Avijit Banerjee, Debdas Kundu, Atreya Bhatta

Visva-Bharati Cheena-Bhavana (Department of Chinese Language and Culture) was established by Gurudeva Rabindranath Tagore and Prof. Tan Yun-Shan on 14th April 1937 with great ideas of strengthening the age old culture relation and interfaces between India and China through personal contacts and investigations into the history of interrelationship between the two countries. Its establishment was in partial fulfillment of Gurudeva's desire for undertaking collective research work on different aspects of International cultural studies by the great minds of the modern world and for spreading the noble message of universal friendship and brotherhood among the people of the world. The untiring zeal and effort of Professor Tan Yun-Shan with the constant inspiration from Gurudeva Rabindranath Tagore opened up a new vista of Sino-Indian cultural Fellowship in India and in the entire world to some extent.

The Founder Director of Cheena-Bhavana, Professor Tan Yun-Shan expressed his solemn hopes and aspirations on the future of this institution with the following words:

Prof. Tan Yun-Shan expressed high hopes and aspirations about the future role of Cheena-Bhavana but in view of the limited resources he made an appeal to the scholars, statesman and leaders of the world to grace this institution with their blessing and support. Cheena-Bhavana was thus envisaged by Gurudeva to grow up as an advanced center of research. The aim and objectives of the Cheena-Bhavana were spelt out as follows:

To conduct research studies in Indian and Chinese Learning.

To promote interchange of Indian and Chinese cultures.

To cultivate friendship and fraternity between the two nations of India and China.

To join and unite the people of India and China.

To promote jointly, universal peace and harmony of humanity.

To help in building up "The Great Unity" of the world.

Gurudeva Tagore aspired to see this institution playing a significant role in Sino-Indian relationship, as reflected in the general rules of the university, which is as follows:

The institution attracted a good number of students and scholars particularly from China and various parts of India, from almost all Asian countries and also from Africa, Europe and America. The larger chunk of the foreign students came from Sri Lanka, Japan, Myanmar, Thailand and Nepal. The academic works of all these scholars, the names of whom, is not possible to mention within this limited scope, enriched the department by their research works of rich academic merit. The research outputs of all these scholars were published either in book form or articles in periodicals and other academic journal of India and abroad. Besides, a voluminous amount of translation works was carried out and the department started the publication of the Sino-Indian Journal. The department has also been privileged by the visits of many distinguished personalities and patrons who greatly enriched the institution with their donations for financial support.

The Cheena-Bhavana library is the best of its kind in preserving Chinese books and journals in whole South Asia with its treasure house of over fifty thousand rare and invaluable books. It is a special feature, a rare treasure not only to the Visva-Bharati University but also to the entire nation.

CENTRE FOR MODERN EUROPEAN LANGUAGES, LITERATURES AND CULTURE STUDIES

Departmental Seminar (Speakers, Title of the Seminar, Date)

DEPARTMENTAL SEMINARS: -

- 1) Art Historian Dr. Madan Visvakarma held a career counseling session with students of CMELLCS on 14 July 2016. He spoke on the career prospects of language students in the tourism industry (National).
- 2) Eminent scholar and theater personality Prof. Raahman Chowdhury of Bangladesh spoke on modern European drama, Bhasha-Bhavana Conference Hall, 26 July 2016 (International).
- 3) Eminent writer, translator and development activist Dr. Martin Kämpchen gave a talk on his life and work in India to students of CMELLCS and an invited audience, Bhasha-Bhavana Conference Hall on 27 August 2016 (International).
- 4) Eminent writer, translator and development activist Dr. Martin Kämpchen gave a talk on 'Translating Tagore', at Bhasha-Bhavana Conference Hall, dated: 19.01.2017 (International).
- 5) Mr. Manmohan Singh, Assistant Professor, Dept. of Germanic & Romance Studies, University of Delhi delivered following lectures: Italo Calvino e le sue opere sperimentali (Italo Calvino and his experimental works) on 06.02.17 (National).
- 6) Mr. Manmohan Singh, Assistant Professor, Dept. of Germanic & Romance Studies, University of Delhi delivered following lectures: L'apprendimento dell'italiano con le ricette (Learning Italian through recipes) on 07.02.17 (National).
- 7) Mr. Rohit Bajaj, Assistant Professor, Centre for European & Latin American Studies, Jamia Millia Islamia, New Delhi delivered two lectures on following topics: Neorealismo nelle opere di Ignazio Silone (Neorealism in the works of Ignazio Silone) on 06.02.17 (National).
- 8) Mr. Rohit Bajaj, Assistant Professor, Centre for European & Latin American Studies, Jamia Millia Islamia, New Delhi delivered two lectures on following topics: L'italiano attraverso i social media (Learn Italian through social media) on 07.02.17.
- 9) Eminent scholar and theater personality Prof. Raahman Chowdhury of Bangladesh spoke on 'Nayak o Khalnayak', Bhasha-Bhavana Conference Hall.
4. Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.

Indrani Das (Professor of Italian):

- a.) Short Refresher Course on Teaching Italian as L2 for teachers in India, New Delhi, organised jointly by Jamia Millia Islamia University and Italian Cultural Centre, Embassy of Italy, 22-24 September '16.
- b.) Invited lecture with slide show on "Making of Modern Minds: Revisiting Renaissance in Italy", ITM University, Gwalior, M. P., 30.01.17.

Nilanjan Chakrabarti (Professor of French)

- a.) Spoke on 'Centralization of the French State and its Impact on Language' in the language panel of International Seminar of Comparative Literature Association of India (CLAI), Bhasha-

Bhavana, Visva-Bharati, Santiniketan, dated: 7th March 2017.

Romit Roy (Associate Professor of German)

- a) Presented a talk on 'Aesthetics, Politics, Autonomy, and Critique' at the One Day Symposium on Emotion, Experience, Expression: Ethics and Aesthetics, organised by SahityaAkademi, Delhi in collaboration with Centre for Comparative Literature, Visva-Bharati University, Santiniketan-731235, West Bengal On Saturday, 23rd April, 2016
- b) Presented a talk on Sangit-Bhavana: Tagore and Western Music, 24 March 2017.
Extension activities /NSS/ Cultural and other activities organised by the Department. Participated in 'AnandaMela' with representative F/G/I/R delicacies.
Dr. Bertrand Harting, Counsellor for Cultural Cooperation, Institut de France, Embassy of France, visited CMELLCS and spoke on 4 February, 2017. He was accompanied by M. Stephane Amalir, Director, Alliance Francaise du Bengal, Kolkata.

Exchange of International Culture and Culinary Heritage, dated: 28.02.2017

Goethe-Institut / Max Mueller Bhavan Kolkata presented a literary evening dedicated to the dramatist Bertolt Brecht on 18 August 2016.

Goethe-Institut / Max Mueller Bhavan Kolkata presented an interactive session with students of CMELLCS on the prospects and opportunities of learning German on 19 August 2016.

Publications within the year April 2016 to March 17

Aruna Mukherjee (Professor of Russian):

Joint-Editor, Visva-Bharati News, December 2016

Indrani Das (Professor of Italian)

A Concise Trilingual Dictionary: Bengali- Italian - English prepared by Indrani Das, Amrita Chaudhuri & Jayasri Chaudhuri. Best Book: Kolkata, 2017. ISBN- 978-81-7926-203-0.

Prof. Nilanjan Chakrabarti (Professor of French)

'Shakespeare Revisited in France'. In: Goutam Ghosal (ed.), Indian Responses to Shakespeare. New Delhi, February 2017 (Authorspress): 79-86

Designing New Course/Curriculum or any other teaching innovations introduced by the Department. Submitted revised syllabus of BA (Hons.) in MELLC according to UGC guidelines for CBCS.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The four modern European languages, French, German, Italian and Russian, were under DEOMEL. These four modern European language units were integrated as CMELLCS, established in 2014. CMELLCS now offers UG, PG, Ph.D., Certificate, Diploma and Advanced Diploma in French, German, Italian and Russian. MA in all the four languages will start from the academic session of 2017. 15-Years Vision Plan of CMELLCS

Upgrading CMELLCS to a full-fledged Department of Modern European Languages, Literatures and Cultures:

Courses: The Centre for Modern European Languages, Literatures and Culture Studies (CMELLCS), comprising French, German, Italian and Russian (FGIR), was launched in 2014. At present it runs

a full gamut of courses including (a) BA (Hons.) in FGIR, (b) MA in FGIR (to start in 2017), (c) M.Phil. and Ph.D. in FGIR, (d) Certificate and Diploma in FGIR, Advanced Diploma in Italian and Russian.

Plans to offer FGIR as Subsidiary courses for Bhasha- and Vidya-Bhavana

Plans to introduce professional / vocational need-based language courses for workers in corporate, governmental and educational sectors.

Other courses: Introducing courses in Spanish at the same levels as above

Projects: CMELLCS would like to apply for UGC-SAP in (a) Collaborative translation (from Tagore's works and other works of Bengali literature into FGIR); (b) Collaborative translation of literary works in FGIR into Bengali; (c) bilingual dictionary projects in Bengali and FGIR; (d) developing need-based curricula of FGIR for other institutes (academic, administrative and commercial) in Eastern India

i. Establishing a Centre for Online Translation Services and Training to cater to the needs of various sectors.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

CMELLCS has been collaborating with Goethe-Institut / Max Mueller Bhavana Kolkata, on various levels incorporating cultural programmes library activities.

Through this initiative, Goethe-Institute / Max Mueller Bhavan Kolkata had signed a year/long agreement with Central Library, VB, for sending their Travelling Library for the year 2016-17. The Travelling Library project will continue into the next annual slot of 2017-18 directly under CMELLCS. Students of French and German are in regular contact with Alliance Francaise du Bengal, Kolkata, and Goethe-Institute / Max Mueller Bhavana Kolkata respectively for acquiring language proficiency certification under the Common European Framework of Reference For Languages.

DEPARTMENT OF ASSAMESE

a) One day Seminar; Topic- Meet the Author, 15th November, 2016.

Chief Speaker- Devabrata Das, noted fiction writer in Assamese, Guwahati.

1. Only National and International standard Conference/Seminar/Workshop/ Exhibition etc. attended by the Teachers/ Research scholars in details-

Name of the Teacher: Dr. Sangita Saikia

on 26-27 August, 2016. Participated as a Resource Person in a UGC Sponsored 2 days National Seminar, organized by Dept of Assamese, Kalabari College, Kalabari, Sonitpur, Assam on The Process of Formation of the Greater Assamese Community & Role of the Ethnic Tribes of North East in National Integrity,

Participated in a National Seminar on Literary Theory and Criticism in Indian Languages organized by Tamil and Marathi Language Units of Bhasha-Bhavana, Visva-Bharati on 3rd & 4th December, 2016. The title of the paper is: "Literary Theory and Criticism in Assamese"

Participated and chaired an academic session at the XIII Comparative Literary Association of India Biennial International Conference from 6-8 March, 2017 in Visva-Bharati, organized by CLAI and Centre for Comparative Literature.

Participated as a Resource Person in a National Workshop on 'Basic Level of Manuscriptology and Palaeography', organized by Department of Sanskrit, Pali & Prakrit on 4th to 24th March, 2017. Topic of Lecture: "The Manuscripts of Taiphakes of Assam" on 23rd March, 2017.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department. -

- a) Participation in Chorus on the occasion of 70 Years of India Independence: 'Ek Saam: Desh ke Naam' on 21st August, 2016 in Bhasha-Bhavana.
- b) Participated in International Mother Language Day Celebration on 21th February, 2017 at Lipika.
- c) Participation in Festival for Exchange of International Culture and Its Culinary Heritage organized by Indira Gandhi National Integration Centre and Foreign Students' Assistance Cell and Bhasha-Bhavana on 28th February, 2017 at Lipika .
- d) Assamese Feature Film 'Bokul' Screening : Dir: Reema Borah Organized by Dept. of Assamese in Conference Hall, Zoology Dept., Visva Bharati, 15-11-2016
- e) Wrote the Unit-II of Study Materials of MA in Assamese programme of Centre for Open & Distance Learning, Tezpur University, Assam by Dr. Sangita Saikia, Asst. Prof Cum Teacher-in-Charge.

Academic distinctions gained by the Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.) - Grant of Rs. 10,000,00/- from Govrnment of Assam for the Development of Assamese Department.

Publication within the year April 2016-March 2017

Sangita Saikia

Mukhyamantriloi Ekhon Mukali Chithi (মুখ্যমন্ত্ৰীলৈ এখন মুকলি চিঠি)

Asomiya Pratidin, 04-06-2016 (Page 1, Lead Story),

Kunubai Khelimele Korise Ei Golapbor (কোনোবাই খেলিমেলি কৰিছে এই গোলাপবোৰ), Translated Short Story, Origin : Gabriel Garcia Marquez Asomiya Pratidin, Puja Special Magazine, October 2016

Railways : putting passengers in helpless situations. The Assam Tribune, 28-10-2016 (Editorial Page),

<http://www.assamtribune.com/scripts/spat.asp?id=2016/oct2816/BigPage6.jpg>

Using religion for political mileage un warranted

The Assam Tribune, 04-11-2016 (Editorial Page),

<http://www.assamtribune.com/scripts/spat.asp?id=2016%2Fnov0416%2FBigPage6.jpg>

Panir Aan Eta Nam Pohar (পানীৰ আন এটা নাম পোহৰ), Translated Short Story, Origin : Gabriel Garcia Marquez. Burhidihing, Centennial Journal, Asom Sahitya Sabha, Margherita Chapter (December 2016)

Axomiya Bhashai Ketiya Labh Koribo Dhrupadi Bhashar Maryada? (অসমীয়া ভাষাই কেতিয়া লাভ কৰিব ধ্ৰুপদী ভাষাৰ মৰ্যাদা?)

Asomiya Pratidin, 07-01-2017 (Editorial Page),

<http://www.asomiyapratidin.in/article.php?date=07-01-2017&page=4&article=8.jpg&cid=318396#.WUtfYJKGOUI>

Designing New Course/Curriculum or any other teaching innovations introduced by the Department. - Designed new Assamese Syllabus for 2 years MA Course in Comparative Literature.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with in indication of the future planes for development - The Dept. has opened in June, 2007, after the joining of only faculty as an Assistant Professor in Assamese and started with 2 students of Certificate course. Now this is a language unit with two year certificate, one year diploma course in Assamese Language and Ph.D Course from 2014. The Assamese Language Unit presently offering Certificate, Diploma Course & Ph.D in Assamese Language, Literature & Culture as well as comparative study with Assamese. The query & interest of students all over Assam & North-East India to pursue Ph.D is quite amazing, but the research facility we offer is very limited due to shortage of faculty, staff & other infrastructures. As the Unit has started Ph.D programme from 2014 and 4 (Four) students are pursuing Ph.D, the Unit wishes to develop its infrastructure, intake capacity of students & faculty due to students' demand. The Assamese Language Unit is offering Assamese Language as a Core Subject in M.A. Course of Comparative Literature since 2015 & helping students, teachers and research scholars of other departments of entire Bhasha-

Bhavana, Sangit Bhavana officially or casually from the beginning. It was offering Assamese as a subject in Comparative Literature department, but now the unit is planning to introduce B.A. & M.A. course in Assamese individually. The design of syllabus is under process to introduce Undergraduate & Postgraduate Courses very shortly and coordinating National Seminars, cultural and academic events as well as events on national integration and cultural heritage of Assam very dynamically.

Particulars in details of the Departmental Library

- a. Area in (Sq. meters) quoted for the library-Space of 1 almira only in the Assamese Dept.
- b. Is there separate provision for the library room -No
- c. Total no. of books- 75 only (about more than one thousand Assamese books in Central Library).
- d. Total Number of books purchased last grant-about 90 Assamese books for Central Library
- e. Total Number of periodicals- The information is available in the Central Library
- f. Total Number of periodicals purchased during the year.-do-
- g. Total Number of Readers.-do-
- h. Total No. Books and Periodicals issued. .-do-
- i. Total Number of Staff-members, (Category wise) Nil

CENTER FOR BUDDHIST STUDIES (CBS)

Seminar conducted in the Centre

19th to 21st June, 2016 : International Seminar on Yoga : Buddhist and Other Ancient Indian Systems organized by Centre for Buddhist Studies and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan. Prof. Arun Ranjan Mishra from the Department of Sanskrit is in charge of the Centre at present.

A Brief history on the development of the Bhavana/Sadana/Vibhaga concerned by the Department.

The Centre for Buddhist Studies at Visva-Bharati was established under the UGC Scheme of Social Epoch Making Thinkers in 2005 by the then Head of the Department of Indo-Tibetan Studies, Dr. Narendra Dash. Due to his unexpected and sad demise in the same year, the Centre was only launched in July 2007 with Prof. Dr. Andrea Loseries, the new Head of the Department of Indo-Tibetan Studies, as Director.

It is an interdisciplinary and interdepartmental forum. The activities of the Centre are : International Seminars and Workshops, Special Lectures, Class Lectures, Film shows, exhibitions and research programs and publications (Buddhist World Press, New Delhi).

VIDYA-BHAVANA

(Institute of Humanities & Social Sciences)

The Vidya-Bhavana, at present the College of Humanities and Social Sciences of the Visva-Bharati came into existence in July, 1919 soon after Gurudev solemnized the establishment of the Visva-Bharati in December, 1918. It started functioning under the name Uttarvibhaga - the department of advanced studies. The name Vidya-Bhavana was adopted in 1925.

Vidya-Bhavana the Institute of Humanities and Social Sciences, was conceived as an Institute of Higher Studies and Research, and has always occupied a key position in Visva-Bharati. The eminent scholar and Adhyapaka Bidhusekhar Shastri testified that this nomenclature evolved out of a positive idea, learning (Patha) leads to education (Shiksha), mentioned in the pages of the Santiniketan Patrika of Magha 1332 BS and the date of the Institutes informal inaugural was also 8 Paush of 1325 BS (Last week of Dec. 1925).

Vidya-Bhavana is now a major faculty of the University with eight major departments and one subsidiary unit functioning under it [Philosophy & Comparative Religion, History, Geography, Ancient Indian History Culture & Archaeology, Economics, Journalism & Mass Communication, Anthropology, Centre for Women Studies and Education (Subsidiary Unit)].

Vidya-Bhavana is successful enough to draw foreign students both from the Western and Eastern parts of the globe. A large number of foreign students are regularly coming to enroll themselves in different courses at Vidya-Bhavana.

Vidya-Bhavana offers courses of studies in the B.A. Honours, Post-Graduate, M. Phil., Ph.D. At present, there is also an increasing trend proliferating modern literary and social scientific research. Quite a few projects funded by external agencies have been successfully executed by teachers of the Vidya-Bhavana. Vidya-Bhavana holds the promise of going ahead towards establishing National Integration and World peace through religious and cultural harmony, dissemination of learning and the consequent values of self-sacrifice and universal brotherhood.

DEPARTMENT OF ECONOMICS AND POLITICS

Name of Students qualified in NET/SLET: Kuldeep Kumar Lohani, PhD student.

Departmental Seminars (speakers, Title of the seminar & Date)

Date	Name of the speaker	Topic
01/04/2016	Rivu Sanyal	A Critical Enquiry Into The Performance Of MGNREGS: Women Participation, Social Inclusion, Resource Creation And Fiscal Consolidation.
08/04/2016	Moumita Das	Analysis of disparities in Local Finance: A Study of Municipalities in West Bengal.
08/04/2016	Pritikana Char	A story of clay doll from Ghurni at Nadia.
20/05/2016	Bikash Saha	Women Empowerment through Self-Help Group (SHGs): A case study of some selected areas of West-Bengal.
08/07/2016	Kasturi Sadhu	The (Nonfarm) Informal Sector in India: Characteristics and Determinants.
08/07/2016	Lipsa Ray	A Macroeconometric Analysis of Inflation in India: Estimation and Policies
15/07/2016	Gaurav Bhattacharya	Food security and Hunger.
29/07/2016	Amit Mandal	Some Economic Aspects of Marginal Farms in Five Central Districts of West Bengal during 2003-04 to 2013-14.
11/11/2016	Debashis Ghosh	The determinants of Total Factor Productivity of Leather in India.
16/12/2016	Kasturi Sadhu	Economics of Unorganised Manufacturing Sector in India- Studying Certain Characteristics and Determinants.
16/12/2016	Rivu Sanyal	A critical enquiry into the performance of MGNREGS
09/03/2016	Raghavendra Chattopadhyay	Idea of Planning in India
17/03/2017	Rajesh Bhattacharyya	The Political Economy of Development
24/03/2016	Anirban Dasgupta	The Food Question
24/03/2016	Somjita Laha	E-Waste & Informal Sector

Participation in National/International Conferences/ Seminars/ Workshops by the teaching faculty of the Department during last one year is listed below:

Madhusudan

June 27, 2016, Presented a paper entitled "Regional Inequality in India" as an invited speaker at the Institute of Developing Economies-JETRO, Chiba, Japan

Presented a paper entitled "Economic Reforms, Infrastructure and Regional Inequality in July 5, 2016, India" as an invited speaker at the Research Institute for Economics & Business Administration, Kobe University, Kobe, Japan

November 5-6, 2016, Presented a paper entitled "Food and Nutrition Security in India" and chaired a session in the 14th Asia-Pacific Conference at Ritsumeikan Asia Pacific University, Beppu, Oita, Japan

January 11, 2017, Presented a paper entitled "Indian Economic Development-How Inclusive was GDP Growth?" at the Faculty of Economics, Soka University, Tokyo, Japan

Pranab Kr. Chattopadhyay

2. Delivered lecture on the occasion of Annual Conference of Economic Association of Bihar [Dr. Amlesh Chandra Banerjee Memorial Lecture] on 25th June, 2016 at Economic Association of Bihar, Bihar.

A talk delivered on National Statistics Day organized by Bureau of Applied Economics & Statistics, Department of Statistics and Programme Implementation on 29th June, 2016 at Mark & Medows, Sriniketan, Birbhum, West Bengal.

Delivered Keynote address on "Development & Challenges: New Prospects" on 25th September, 2016 organized by Amik Institute of Management, Durgapur, West Bengal.

Lecture on "Dissemination of Statistics at Sub-district Level" organized by Bureau of Applied Economics & Statistics, Government of West Bengal on 27th September, 2016 at Sonamukhi Panchayat Samiti, Bankura, West Bengal.

Keynote speaker in the UGC sponsored National seminar on "Challenges to Sustainable Development in Rural India: Education, Gender Inequality and Women Empowerment" held on 22-23rd November, 2016 organized by Department of History and Economics, K.C.College, Hetampur, Birbhum, West Bengal.

Delivered special lecture as a Resource Person in National Seminar on "Women's Economic Empowerment and Inclusive Growth" on 7-8th March, 2017 sponsored by UGC .

Delivered key note as Chief Resource Person on "Spatio-Food-Insecurity Vulnerability: Economics & Politics" on 16th-17th March, 2017 sponsored by UGC and organized by Panchakot Mahavidyalaya, Sarbari, Purulia, West Bengal.

Delivering lecture as a Resource person on 'Learning to Live Wise: Advancing Tagorean Wisdom in Education' on 20-21st March 2017 organized by Department of Education, Visva-Bharati.

Delivered lecture as a Resource person on "Revisiting Rural Development: Dynamics and Discontent" on 30-31 March, 2017 sponsored by ICSSR, New Delhi and organized by Department of Economics, Sidhu Kanu Birsha University, Purulia, West Bengal.

"Growth & Diversification in India's Emerging Economy" held on 7-8th January, 2017 organized by A.K.Dasgupta Centre for Planning and Development, Visva-Bharati.

Pranab Kanti Basu

1. Lecture titled 'A Marxist View of the Financial Crisis' at UGC sponsored National Seminar on 'Assessment and Relevance of the concepts of Marx' at Prabhu Jagatbandhu College, Andul on 16-11-16.

2. Lecture titled 'Neo Liberalism: Political Economy of the Soul' at Ambedkar University Delhi on 23-9-16, Centre for Planning and Development.

Apurba Kr. Chattopadhyay

Presented a paper , 'Water Resource Management In The DVC Command Area and Its Impacts on Cultivation' at the National Conference on "Role of Social Sectors and Public Policies in Economic Development" at the Department of Economics and Politics, Visva-Bharati, Santiniketan, 24-25 March 2017.

Chaired a session at the two day SHG Convention cum National Conference on "Women and Development" organised by the Department of Lifelong Learning and Extension, Rural Extension Centre, Visva-Bharati, Sriniketan, during 17-18 March, 2017.

Santadas Ghosh

1. Participated as a Discussant for a paper presented in the 3rd International Research Scholars' Workshop on "Development, Growth and Regional Disparities: Theories and Empirics", held at the Department of Economics, University of Calcutta on July 27-28, 2016 in Kolkata, India.
2. Delivered a lecture titled "Travel Cost Method and its Applications" as a resource person in a training programme on "Applied Economic Tools and Techniques for Managing Environmental Resources" on 3rd October 2016 organized by TERI University, New Delhi.
3. Chaired a technical session in ECON-VISVA, 2017 (a day long workshop for Post Graduate Students from different universities in India) organized by the Department of Economics & Politics, Visva-Bharati in Santiniketan on 20th January, 2017.

Saumya Chakrabarti

Invited speaker in a UGC sponsored national seminar on 'State of the Informal Sector in Indian Economy in the context of Inclusive Growth', organized by the Department of Economics, City College of Commerce & Business Administration, Kolkata in collaboration with the Department of Economics, University of Kalyani, on August 16th, 2016.

Invited speaker on "Farm Nonfarm Linkages in Rural India" in a seminar held at St Joseph's College, Bangalore, on 22nd August 2016.

Invited speaker as one of the panelists in the panel discussion on "Informal Sector in India" held on 16 September 2016 in the annual economic summit of the Department of Economics, St. Xavier's College, Kolkata.

Paper titled "Persistence of Informality in India: A Mark of Capital's Weakness OR Expansion?" has been presented at ECONference-2016 (International Conference on "Inclusive Development and Sustainable Wellbeing" during 20-21 December 2016), at Burdwan University.

"Persistence of Informality in India: A Mark of Capital's Weakness OR Expansion?" has been presented at the Third International Conference on South Asian Economic Development (SAED-2017) organized by the Faculty of Economics, South Asian University, New Delhi, during February 23-24, 2017.

Invited lecture on Indian informal sector at the Institute for Human Development, New Delhi, on 27 February 2017.

8. Participated in a panel discussion on the book "Inclusive Growth and Social Change" at the South Asian University, Chanakyapuri, New Delhi on February 27, 2017 (co-panellists: Amit Bhaduri and Ajit Ghosh).

Invited lecture on Indian informal sector at the National Conference on Issues in Economic Development organized by the Department of Economics, Kalyani University, during 22-23 March 2017.

Biswajit Mondal

1. Outsourcing, Factor Prices and Skill Formation in Countries with Non-overlapping Time Zones" in national conference on "Balancing Economic Growth with Environmental Sustainability" on

- 12-13 August, 2016, Dhruba Chand Halder College, West Bengal, India.
2. Tax on Traded Goods, and Corrupt Non-traded Sector: Implications for Intermediation Activities in 58th ISLE conference on 24-26 November, 2016 IIT Guwahati, Assam, India.
 3. A Simple Model on Mothers' Autonomy, Health Inputs, and Child Health, in IHEPA conference on 15-17 December, 2016, Institute of Development Studies Kolkata, West Bengal, India.
 4. Panellist in the panel discussion on Analysis of Indian Budget 2017 in the conference on Contemporary Issues of Economic Development, 4-15 February, 2017, Rabindra Bharati University, Kolkata, West Bengal, India.

Amit Kumar Biswas

1. Data falsification and possible capital flight: Role of trade policy instruments, Department of International Economics, University of Bonn, Germany on May, 31, 2016.
2. Panelist at St. Xavier's College on Demonetization and Indian Economy on March, 7, 2017.
3. Attended 2-weeks long workshop on Microeconomics at department of Economics, University of Bonn from June 6 - 17, 2017.

Achiransu Acharyya

Presented a paper titled "Groundwater Markets and Pricing in West Bengal: A Case of Fragmented Duopoly and Inter-linkage" in the seminar on " Sustainable Groundwater Management Through Effective Governance" held on 21st and 22nd May, 2016 organized by the National Resources Investigation, Evaluation and Management Technologies (NRIEMT) at Kolkata.

Participated in a seven day workshop titled 'Summer School on Research Methodology: Applications of Econometrics and Statistics', organized by Department of Humanities and Social Sciences, National Institute of Technology (Durgapur) in collaboration with The Indian Econometric Society (TIES) from May 23rd to 29th, 2016.

Delivered a 'Special Invited Lecture' with the title "Economics in Everyday Life" at the Department of English and Other Modern European Languages, Visva-Bharati on 1st September 2016

Delivered an invited lecture titled 'Ground water Sustainability in India' at the Training Workshop on Understanding and Resolving Water Conflicts in India held at The Energy and Resources Institute, Bangalore during 4th to 7th October, 2016

Chaired a session on 'Water Laws, Agreements and Conflict Resolution' at the Training Workshop on Understanding and Resolving Water Conflicts in India held at The Energy and Resources Institute, Bangalore during 4th to 7th October, 2016.

Presented a paper titled "Groundwater, Climate Change and Sustainable Well-being of the poor: Policy options for India" at the 36th INCA International Congress on "Cartography for Analysis and Management of Climate Change" held at Department of Geography, Vidya-Bhavana, Visva Bharati from 9th to 11th November, 2016.

Presented a paper titled "Groundwater Irrigation and Agricultural Development in India : Need for Natural Resource Management" in the NSRTAS-2016 at Visva-Bharati, Sriniketan, West Bengal on 4th December, 2016 organized by the Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, and The Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Presented a paper titled "Climate Change and Sustainability of Groundwater Resources in the

Asia-Pacific: Need for an institutional change in water resource management" in the two day International Seminar on "Poverty, Environment and Sustainable Development Goals (SDGs) in Asia-Pacific" organized by the Centre for Ecological Economics and Natural Resources of the Institute for Social and Economic Change, Bangalore held during December 8th to 9th, 2016.

Presented a paper titled " Groundwater Markets in West Bengal: An Achilles heel for the poor" in the XXVI Annual Conference on "Contemporary Issues in Development Economics" organized by the Department of Economics, Jadavpur University, Kolkata, West Bengal on 22nd and 23rd December, 2016.

Successfully completed the Research Methodology Workshop on " Impact Evaluation of Issues related to Climate Change and Agriculture" conducted by NABARD Chair, IEG and INSEE at the Institute of Economic Growth during February 6th to 10th, 2017.

Anamika Moktan

Attended 105th Orientation Programme at the University of Burdwan, during 1-28 September 2016.

Priya Brata Dutta

Attended 105th Orientation Course in U.G.C.-Human Resource Development Centre, The University of Burdwan from 1st to 28th September 2016.

Participation in National/ International Conferences/ Seminars/ Workshops by the Research Scholars of the Department during last one year are listed below:

Sangita Roy

1. Trade Liberalization, Skilled Intermediate Input and Wage Distribution" presented in UGC Sponsored Two Days National Level Seminar on "Balancing Economic Growth with Environmental Sustainability" organized by Department of Economics, Dhruva Chand Halder College in collaboration with Centre for West Bengal Economy, Department of Economics, Jadavpur University on August 12-13, 2016.
2. Trade Liberalization, Skilled Intermediate Input and Wage Distribution presented in 2-Day UGC-Sponsored Seminar on "Contemporary Issues in Development Economics" organized by Department of Economics, Rabindra Bharati University on 14-15 February, 2017.

Sujata Ghosh

1. Arthanoitik Udarikoron, Osongothito khtero ebong Nagarkendrik Bekaratto: Ekti Tattik Alochona, in 5th Arthabisleshon workshop on Tatto O Tathyo Jiggasa, 3rd December, 2016, Deshbandhu College for Girls, Kolkata.
2. Economic Liberalization, Informal sector and Urban unemployment: A Theoretical Analysis, 53rd Annual Conference of the Indian Econometric Society, 22-24 December, 2016, NISER, Bhubaneswar.

Raj Kumar Kundu

Presented a paper jointly with Apurba K Chattopadhyay titled, 'Water Resource Management In The DVC Command Area and Its Impacts on Cultivation' at the National Conference on "Role of Social Sectors and Public Policies in Economic Development" at the Department of Economics and Politics, Visva-Bharati, Santiniketan, 24-25 March 2017

Kaberi Pal

1. Presented a paper titled, 'Health in a Backward Region: A Block Level Study of Purulia District in West Bengal' at the First Research Scholars' Workshop on "Economic Development and Rural India" held on 17th February, 2017 at the Department of Economics & Politics, Visva-Bharati.

Somenath Ghosh

Presented a paper titled "Urbanisation & Exclusion: a study on Indian slums", in the 1-day National Conference on "Role of Social Sectors and Public Policies in Economic Development", organised by Department of Economics & Politics, Viava-Bharati, Santiniketan.

Harsha Tiwary

Presented a paper titled "Performance of MGNREGP: asset creation and the changing rural scenario" in the 1-day First Research Scholars' Workshop, organized by the Dept. of Economics & Politics, Visva-Bharati University, Santiniketan, 17th February 2017.

5. Ongoing Research Projects in the Department:

Project Title	Acted as	Sponsor and duration	Host Institution	Status	Amount Sanctioned
A Study on Indigenous Rice Varieties in Sundarban Delta and Their role in Ensuring Local Food Security in the Face of Climate Change Threats	Santadas Ghosh (PI)	MoAFW, Gol (April 16-Mar-17)	Agro Economic Research Centre, Visva-Bharati	Final Report Submitted	NA (Centre Initiated Study from Research fund of AERC)
A Study on Old Age Pension, Widow Pension & Disability Pension in Birbhum & Burdwan Districts	Santadas Ghosh District Co-ordinator (Burdwan)	Bureau of Applied Economics & Statistics, Govt. of W.B. (July-Sep.16)	A.K. Dasgupta Centre for Planning & Dev. (hosted by Dept. of Economics & Politics)	Study completed	Rs.15 Lakhs
Dev. interventions Rural Transformation & Environmental Sustainability: A Study on Sundarban in India	Santadas Ghosh (PI)	ICSSR (Feb 2016-Jan 2018)	A.K. Dasgupta Centre for Planning & Dev. (hosted by Dept. of Econ. & Pol. V.B.	Ongoing (Annual Progress Report sent in Feb.'17)	Rs.18 Lakhs
A Study of Urban Informal Sector Enterprises in selected towns in W.Bengal	Prof. Pranab Kr. Chattopadhyay	UGc (Oct.15-Sept.18)	A.K. Dasgupta Centre for Planning & Dev. (hosted by Dept. of Economics & Politics, VB.	Ongoing	Rs.7,34,600.00

**List of projects of the Department of Economics & Politics under UGC SAP DRS(II)
for the year 2016-17.**

(Ref. No. F.5-15 (DRS-II)/2016 (SAP-III) dt. 22/09/2016)

Sl. No.	Name(s) of the Faculty Member	Title of the Project	Under Sub-theme	Allocated amount
1.	Achirangshu Acharyya	Crop Diversification & Agricultural Growth in West Bengal: Causes & Constraints	Changing Faces of Indian	(12678.00 +12780.00 + 17750.00 +8621.00 +7607.00)
2.	Biswajit Mandal	Optimal tax to finance health & health inputs	Social Sectors & Public Policy	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
3.	Saumya Chakrabarti	The Informal Sector in India An analysis of firm-level features & performance	Globalization, Employment & Rural Poverty	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
4.	Sudipta Bhattacharyya	Rise & Growth of New Land Tenancy in W.B.	Changing Faces of Indian Agriculture.	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
5.	Soumyadip Chattopadhyay	The Art of Smart City Making in India: Emerging Perspectives on Growth & Inequality	Social Sectors & Public Policy	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
6.	Uttam Kr. Sikder	Role of Health of sustainable Agri. in North 24 Pgs. Dist. of W.Bengal	Social Sectors & Public Policy	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
7.	Pranab Kanti Basu	Exploring the theoretical connections between rent & speculation through land	Land, Natural Resources & Dev.	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
8.	Anamika Moktan (PI)	Quality of Employment in India: A State-level analysis of Gender-gap	Globalization, Employment & Rural Poverty	(12678.00 +12780.00 +17750.00+ 8621.00 +7607.00)
9.	Priya Brata Datta (PI) Amit Kr. Biswas Sarbajit Sengupta	Tourism Development, National Welfare & Environment	Threats & opportunities to sustainable development	[(12678.00X3) +12780.00 + 17750.00 + (8621.00 X3) + (7607.00X3)]
10.	Biswajit Halder (PI) A purba Kr.Chatto Chattopadhyay	Paddle rickshaw to Toto Rickshaw-technological change and redistribution of income : A case study of Bolpur	Globalization Employment & Rural Poverty	[(12678.00X3)+12780.00 +17750.00+ (8621.00 X3) + (7607.00X3)]

Extension activity/ NSS/ Cultural and other activities organized by teacher(s) and participated by the students of the department:

The department celebrated AZADI - 70 with great fanfare to commemorate 70th Independence Day of our country. The main speaker was his Excellency Honourable Governor of Tripura, Prof. **Tathagata Roy**

The department also hosted an environment awareness programme on February 20, 2017, themed "Water Conservation and Management" with the presence of responsible officers from government of West Bengal. The main theme of the programme was mass awareness on continuous falling of ground water level.

The department also organized a programme to celebrate the 'World Language Day'. An exhibition of photography also took place at the department.

Academic Distinctions Gained by Teachers in the Department:

Madhusudan Ghosh acted as Visiting Professor at Hosei University, Tokyo, Japan (1st April to 31st July, 2016).

Soka University, Tokyo, Japan (5th September, 2016 to 31st January, 2017).

Madhusudan Ghosh has been awarded with Professor Ramesh Chandra Agrawal Award of Excellence for outstanding contributions in the field of Agricultural Economics by the Indian Society of Agricultural Economics, Mumbai.

Pranab Kanti Basu has delivered 10 lectures in the PG course 'Political Economy of Development' as Guest Fellow at the Centre for Economic Studies and Policies, Central University of South Bihar from 22nd to 26th August, 2016.

Santadas Ghosh has been awarded the position of Senior Asian Fellow (senior researchers and advisors who are called upon to provide intellectual, academic and policy support to Asian Centre for Development, Dhaka (Bangladesh)).

< <http://acdonline.org/fellows/> >

Saumya Chakrabarti has been awarded a Major Project by ICSSR on the Informal Sector of India (02/210/2016-17/RP; 30/03/17): Rs. 7 Lakh.

Amit K. Biswas was awarded with 'Renewed Research Stay' fellowship for three months by the Humboldt Foundation. He visited Centre for International Economics, University of Bonn from May - July, 2016 as Humboldt fellow.

Achiransu Acharyya has received his PhD degree in June, 2016.

Publications: a) By the Teachers:

Following is the list of publications that had come up during last one year and authored by the teaching faculty of the Department:

Madhusudan Ghosh

1. "Food Insecurity, Poverty and Hunger in India", In C. Ramasamy & K.R. Ashok (Eds.) Vicissitudes of Agriculture in the Fast Growing Indian Economy, Academic Foundation, New Delhi, 2016. ISBN: 9789332703360, Chapter 17.

Pranab Kumar Chattopadhyay

"Development and Diversification: Aspects of Rural Development' edited By Pranab Kumar

Chattopadhyay and Daya Shankar Kushwaha, published by Renu publication, New Delhi.
"State of Health, Education and Women: Glimpses of Rural India" edited book by Pranab Kumar Chattopadhyay and published by Renu Publishers, New Delhi.
One edited book "Growth & Diversification in India's Emerging Economy" edited by Pranab Kumar Chattopadhyay, New Delhi Press, New Delhi.

Paper:

Organic Farming In Sikkim: A Study Into The Socio-Economic Impact Of An Unconventional Agricultural Technique by Ruma Kundu, Binod Chettri, Pranab Kumar Chattopadhyay.

Pitfalls On The Path To Universal Education: A Study On Discontinuation Of School Education In Sikkim by Ruma Kundu, Manjeel Rai, Pranab Kumar Chattopadhyay

Pranab Kanti Basu

Book/ chapters:

1. Three chapters in Ravi Kumar (ed.), Contemporary Reading of Marxism, Aakar Books, New Delhi, 2016.

Paper

2. From Hegemony to Governmentality. International Critical Thought. Chinese academy of Social Sciences. Routledge. April 2016.

3. Inclusive Growth: A Lacanian Reading. Rethinking Marxism. Routledge. June 2016

Apurba Kumar Chattopadhyay

Jagabandhu Saha

1. Test for Structural Change Under Dependent Errors: The Case of Successive Regressions / International Journal of Applied Business And Economic Research / Vol. 14, No. 12, (2016): 8657-8666 / Refereed / International.

2. Test for Structural Change Under Heteroscedastic and Dependent Errors: The Case of Successive Regressions / Asian Journal of Science and Technology / Vol. 07, Issue, 12, Pp.4036-4041, December, 2016 / Refereed.

Saumya Chakrabarti

Book and book chapter:

1. Inclusive Growth and Social Change: formal-informal-agrarian relations in India; A Monograph by Oxford University Press (India, UK and USA); June 2016.

<http://www.oxfordscholarship.com/view/10.1093/acprof:oso/9780199466061.001.0001/acprof-9780199466061?rskey=cs0V7P&result=1>

2. Development Economics: A Critical Perspective; A Textbook for advanced Bachelor and Masters level courses by Prentice Hall India (co-authored with Aparajita Mukherjee); May 2016.

<https://phindia.com/bookdetails/development-economics-mukherjee-aparajita-chakrabarti-saumya-isbn-OTc4LTgxLTIwMy01MjE5LTM>

3. "MGNREGS of India: Complementarities Between Employment and Infrastructure" (co-authors Pratip Kumar Dutta, Harsha Tiwary & Saumya Chakrabarti) a chapter in a book edited by Ramesh Das "Social, Health, and Environmental Infrastructures for Economic Growth", 2017, IGI Global, USA, ISBN: 978-15225-2364-2.

4. "Globalisation of Agriculture via Crop Diversification: A Strategy towards Achieving Inclusive Growth" in *The New Rural Paradigm: Policies and Governance* (ISBN 978-93-84503-72-7) Editors - Dr. Gyanmudra and Dr. M. Sarumathy; Published by - National Institute of Rural Development and Panchayati Raj (NIRD&PR), Hyderabad.
5. "How far has MGNREGP helped the Disadvantaged?" (co-authored with H. Tiwary); <http://www.nird.org.in/src.aspx>; http://www.nird.org.in/nird_docs/srsc/srsc261016-29.pdf.

Paper

1. *The Informal Sector in India: Prosperity or Persistence of Misery?* (Co-authored by Daipayan Sarkar and Ankita Biswas) in *World Financial Review* (ISSN: 1756-3763) September - October 2016. <http://www.worldfinancialreview.com/?p=9242>
2. *Demonetization: A Few Disturbing Questions* (Co-authored with Pratip Kumar Dutta) in *World Financial Review* (ISSN: 1756-3763) January-February 2017. <http://www.worldfinancialreview.com/?p=13340>

Biswajit Mondal

1. *Virtual Trade between Separated Time Zones and Growth* (with S. Marjit) (2017), *International Journal of Economic Theory*, 13(2), 171-183. Peer Reviewed, International.
2. *Trade Liberalization, Skilled Intermediate Input and Wage Distribution* (with S. Roy) (2016), *The Asian Economic Review*, 58(2), 137-148.
4. *International Trade, Migration and Unemployment - The Role of Informal Sector* (with S. Marjit) (2016): *Economics and Politics*, 28(1), 8-22.
5. *Recessionary Shock, Capital Mobility and the Informal Sector* (2016): *South Asia Economic Journal*, 17(1), 149-162. Peer Reviewed, International.
6. *Estimating Preference Parameters from Stock Returns using Simulated Method of Moments* (with A. Biswas) (2016): *Annals of Financial Economics*, 11(1),

Amit K Biswas

Books/ chapters:

1. Chapter, titled, *Data Falsification: A Serious Problem in International Trade* in Egorov G. (Ed.) "Actual Problems of Legal Theory and Practice", Volgograd Scientific Publishing House.

Papers:

2. *Corruption, Environmental Regulation & Market Entry* (with M. Thum), *Environment and Development Economics*, Vol. 22/1, February (Cambridge University Press).
3. *Women Empowerment in India: Role of State Policies*, (with R. Sanyal), *Palli Charcha* Vol. 2/2.

Achiransu Acharyya

"Jol, Jomi O Khomota: Paschimbange Bhumi Sanskarer Ulatpuran?", *Antarjatik Pathshala*, pp. 128 to 142, Vol. V, Issue II and III: January to June, 2016, ISSN No.: 2230-9594

"Analysis of Groundwater Markets in West Bengal: Some Related Issues", *Indian Groundwater*, pp. 45 to 55, Vol. VII, July 2016, ISSN No. 2347-8063

"Sustainable Development of Groundwater Resources In India: A Re-look at Policy Initiatives" *Indian Groundwater*, pp. 34 to 43, Vol. VIII, January 2017, National/ISSN No. 2347-8063

Anamika Moktan

Book:

1. Varying Quality of Employment in India: A state level analysis of gender gap , over time; Lambert Academic Publishing, 2016 (ISBN 978-3-659-86357-8)

Paper:

1. "Decent Work Deficit In India: A Disaggregated Trend Over the Three Post-Reform Decades" in World Review of Political Economy, Volume 7, no.4 2016; pp 486-510

2. "Decent work deficit in India in the Post-liberalisation era: A study across major states" in Interrogating Development : Perspectives on the Economy, Environment, Ethnicity and Gender, eds. Anjan Chakrabarti, Rajarshi Chatterjee and Panchali Sengupta (ISBN 978-93-80677-94-1), Setu Prakashini, Kolkata:2017; pp- 135-158

Publications: b) By the Research Scholars:

Following is the list of publications that had come up during last one year and authored by the research scholars of the Department:

Somnath Bandyopadhyay

1. 'Ethical Standard of Higher Education and Quality Assurance: An Essence of Twenty First Century' in OPEN EYES, Vol.13, Numbers 1, June, 2016, pp. 67-79.

Kasturi Ghosh**Book/chapter:**

1. Contributed a chapter named "Informal Services and the Issue of Inclusive Growth: A Study on India" in the book "Inclusive Growth and Social Change: Formal-Informal-Agrarian Relations in India", by Dr. Saumya Chakrabarti, 2016, Oxford University Press.

Paper:

1. "Informal Manufacturing in India -Conflicts and Complementarities across Small/Self-employed and Large Sectors" published in Rabindra Bharati University Journal of Economics, Volume: IX; ISSN No. 0975-802X, July, 2016.

Somenath Ghosh**Book/ Chapter:**

1. A chapter "Changes in Infrastructural Condition of Slums in India: A state Level Analysis" has been contributed in the book "Social, Health, and Environmental Infrastructures for Economic Growth", edited by Ramesh Das, 2017, IGI Global, USA, ISBN: 978-15225-2364-2.

Paper:

1. "Evaluating National Food Security Mission: Productivity of Paddy across Some Districts of West Bengal" published in the Testso Interdisciplinary Journal (TIJ), Nagaland in 2017; Volume 5; 5th Edition; ISSN 2319-2925.

Harsha Tiwary**Book/ Chapter:**

1. "MGNREGS of India: Complementarities Between Employment and Infrastructure" (co-authors Pratip Kumar Dutta, Harsha Tiwary & Saumya Chakrabarti) a chapter in a book edited by Ramesh Das "Social, Health, and Environmental Infrastructures for Economic Growth", 2017, IGI Global, USA, ISBN: 978-15225-2364-2.

2. "How far has MGNREGP helped the Disadvantaged?" (co-authored by S. Chakrabarti); <http://www.nird.org.in/src.aspx>; http://www.nird.org.in/nird_docs/srsc/srsc261016-29.pdf.

Nirupam Saha

1. Published a Book Review on "Out of the shadows?: The Informal Sector in Post-reform India by Rajesh Raj S.N. & Kunal Sen , OUP", in Contemporary Development Research, January 2017, Volume. I, No.1.

Designing New Course/ Curriculum introduced by the Department:

Following the resolution taken by the Board of Studies of the Department, a Student-Faculty Committee (SFC) was formed last year which was aimed at smoother functioning of the Department and fostering better understanding of the mutual needs among the teachers and the students. The Committee comprised of, apart from all faculty members, two elected students from each of the five UG/PG years of the Department and also from the registered Research Scholars of the Department. Since its inception, the Committee is meeting regularly and it has significantly helped in identifying the deficiencies in the Department and prioritizing the required modifications.

It is from these interactions with students that the faculty sincerely felt the need for supplementing classroom teachings with some complementary activities. It was resolved in a subsequent BOS meeting that students would be given exposure to field work and primary survey in surrounding villages with the financial and logistic support from Agro-Economic Research Centre (AERC), Visva-Bharati. This programme has been successfully implemented in this period and will continue in the next session as well.

We have restructured both the UG and PG syllabus and the new syllabus will be in place from July 2017 academic calendar.

Brief History of the Department and Future Plan

The Department of Economics & Politics began its journey as a separate department in 1953 under Siksha-Bhavana (Institute of Science). Later it came under Vidya Bhavana (Institute of Social Sciences) and the first batch of postgraduate students came out in 1958 and the first Ph.D was awarded in 1969.

From the very outset the department focused on empirical research in the area of agriculture and rural development. The faculty of the department distinguished themselves in research on areas including land tenure, farm management, agrarian productivity and rural poverty. Much of this research was carried out in collaboration with the well-known Indian and international economists, as well as with other departments/ centres of Visva-Bharati like Agro-Economic Research Centre, Santiniketan and has won recognition in India and abroad.

While the principal focus remained the same throughout, the research interests of the department gradually broadened to include the areas of planning, economic development in general, participatory rural development, macroeconomics, international trade, political economy and environment-resource economics. In recognition to its research activities in these areas, the Planning Commission of India has provided the Department with an endowment of Rupees thirty lakhs to set up a unit on Planning and Development (Planning Unit) and for setting up a Chair as well as carrying out research and other related activities. The Planning unit has recently been renamed as 'A K Dasgupta Centre for Planning and Development' by Visva-Bharati with the approval from the Planning Commission.

Because of successful implementation of DRS - I, the department has been sanctioned more than 1 crore of rupees under DRS - II, it is successfully running from 1st April, 2015 under the new programme coordinator Prof. Apurba Kumar Chattopadhyay, who has taken charge of this SAP - DRS II from late last year. He is being helped by the deputy coordinator Dr. Saumya Chakrabarti and a steering committee approved by the Board of Studies. Under this SAP programme we have successfully organized a research scholar workshop with eminent teachers in the field of quantitative economics and participants from all over India in September, 2016. In January, 2017, we successfully organized ECON-VISVA 2017, a platform for the Masters' students in Economics to groom themselves and present their essays on specific issues relating to Indian economy. We had participant even from faraway Paris. In February, 2017 we have successfully organized young researchers' seminar where talented young MPhil & PhD students took part. Finally a huge national seminar took place in March this year where about fifty participants from all over India presented their papers. Prof. Raghv Chattopadhyay (IIM, Kolkata), Dr. Rajesh Bhattacharyya (IIM, Kolkata), Dr. Anirban Dasgupta (South Asian University, New Delhi) and Dr. Somjita Laha (Institute for Human Development, New Delhi spent valuable time at our department as part of the SAP as visiting faculty. During this period, we have successfully launched our departmental journal, Contemporary Development Research, published by Visva-Bharati Press, Santiniketan.

The Department has also adopted various new plans of diversifying academic activities. It has vision to take up action research as well as interdisciplinary research in collaboration of other Visva-Bharati departments as well as institutions outside the Visva-Bharati. Particularly the department is keen to strengthen its ongoing collaborative work with Agro Economic Research Centre and Palli Charcha Kendra. Also it would like to establish collaborative research with Social Work and Agriculture, Santiniketan. Department has an aim to publish a journal with the focus on its ongoing research. With the formation of Academic Staff College in Visva-Bharati, our department aims to introduce refresher course in Economics. The Department also aims to organize workshop to train young scholars of Visva-Bharati and other academic institution. The placement cell should be revived in the interest of students of the department.

Any other Relevant Information on the Department:

A compulsory course of Computer Application has been introduced in the Post Graduate level. The course is intended to equip the students to handle socio-economic data with modern statistical software. The Department in this year has empowered the concerned teacher to take the students for some appropriate field work. This has been accomplished very successfully as 36 Post Graduate students had participated and went for a three-day camp in the first week of January (2017) in a remote forest village in North Bengal (28 Mile Busty, within Buxa Tiger Reserve) without any external financial assistance.

DEPARTMENT OF GEOGRAPHY

Name of the Department : Department of Geography, Vidya Bhavana.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination: UGC (JRF)- 20

Departmental Seminar: 36th INCA INTERNATIONAL SEMINAR ON "CATROGRAPHY AND CLIMATIC CHANGE", held between 9-11 November 2016, President: Professor V.C.Jha, Organizing Secretary: Professor U.S.Malik and Treasurer:Dr.G.C.Debnath

Conference/Seminar/Workshop/Exhibition etc attended by Teacher/Research scholars in details.

Uma Sankar Malik- Invited Lecture delivered on 'Cause-Effects Models in Geography', on the occasion of Series of Lecture on 24.01.2017 at Gour Banga University,Malda.

ii.Invited lecture Delivered on ' Professor Sunil Kumar Munsi- A Remembrance' on the occasion of Two Day National Seminar on Geography: Science of Man and Environment ,24 & 25 February 2017,Salt Lake,Kolkata.

iii.Invited Lecture Delivered on " Logic and Philosophy of the Developmental Paradigms- the Concepts of some Great Thinkers', at the occasion of Two Day National Seminar on Changing Physico-Cultural Landscape: Threats and Opportunities on 29-30 March 2017 ,Organised by the Department of Geography, under UGC-DRS Phase II (Sap-I)Programme in collaboration with Geographical Society of India and Institute of Landscape, Ecology and Ekistics, Kolkata.

Malay Mukhopakhyay

7th June 2016: "Installation of marker stone at the source of Ajay River: An approach for Geomorphosite tourism". - at The Institution of Landscape, Ecology and Ekistics (ILEE) Kolkata - 19

30th August 2016: "Changing geo-environmental processes and social adjustment". - as a Resource person of International Seminar held at Dept. of Geography, University of Gour Banga, Malda.

23rd September 2016: "Climate change: Issues and challenges to society". - As a Resource person in UGC sponsored National Seminar at Haringhata Mahavidyalaya, Nadia, W.B.

21st October 2016: "Geo-Environmental crisis and policy Reforms". - as an invited guest in Seminar and Alumni meet 2016, Dept. of Geography, Vidyasagar College. Kolkata

6th December 2016: "Perspectives on Hazards and their management". - as a resource person in the Refresher Course, North-Eastern Hill University, Shillong

5th January 2017: "Development of Geomorphosite Geo- tourism for the promotion of Rural Socio-cultural environment". - as a resource person in the International Seminar, Tripura University, Dept. of Geography and Disaster Management. Agartala. Tripura.

23rd January 2017: "A strategic plan for Environmental stewardship of Khowai". The Dept. of Architecture and regional planning, IIT Kharagpur and the School of Architecture and Planning MIT. Workshop cum Field Trip during 20-24 of January 2017 in Kharagpur and Santiniketan. West Bengal.

18th February 2017: "Neo-deterministic Approach in Environment Management". Advanced Research Centre in Human Geography. Lady Brabourne College. Kolkata. 17.

27th February 2017: "Neo-deterministic approach in future planning and development". As a lead

speaker in the Platinum Jubilee Series, Suri, Vidyasagar College. Suri, W.B.

10th March 2017: "Development induced changes, Environmental concerns and sustainable management". UGC sponsored National Seminar, Key note address, Dept. of Geography. Rabindra Bharati, University. Kolkata

28th March 2017: "Rabindranath Tagore's perception on physical Environment- a Geographical overview". Special lecture in the 2nd International Seminar, Dept. of Geography, the University of Burdwan, Burdwan, W.B.

V.C. Jha:

8th International Buddhist Research Seminar- DHAMMA AND SOCIETY, 24-25 May 2017 organised by Mahachulalongkornrajavidyalaya University , BuddhadasaIndapanno Archives, Bangkok, Thailand

The 4th National Conference and the 2nd International Conference, organized by the Academic Affairs of Mahachulalongkornrajavidyalaya University, the 30th -31st of March, 2017, KhonKaen Campus (MCU KK), Thailand

7th International Buddhist Research Seminar-Cultural Geography in Buddhism, 18-20 February 2016, M C University and B R I Nan , Thailand

Sutapa Mukhopadhyay:

- i. Delivered lecture as Resource Person in UGC sponsored national seminar entitled 'Environmental Degradation and Disaster: A Vision Plan for Sustainable Development' organized by Cooch Behar College on 25th -26th August, 2016.
- ii. Delivered lecture as Resource Person in the Prof K. C. Bhattacharyya memorial lecture, Organized by Post Graduate Department of Geography Chandernagore College on September 16, 2016.
- iii. Delivered lecture as a Resource Person in UGC sponsored national seminar entitled ' Land use Planning and Management' organized by Institute of Landscape Ecology and Ekistics on 28-29th September 2016, Kolkata
- iv. Presented paper on 'Composite vulnerability assessment using quantitative techniques: A case study in Muriganga - Saptamukhi interfluve, Sundarban, West Bengal' in the 29th IGI conference organized by University of Calcutta on 24-27 November 2016.

Premangshu Chakrabarty

International Seminar on Environmental Degradation Due to Human Interference (March 6-8th, 2016) at Department of Geography, Raiganj University- presented a paper on "Tourism and Environmental Degradation".

International Seminar on Pilgrimages and Sustainable Cultural Tourism in South Asia: The Shaktipitha Perspective (October 14-16th, 2016) at Institute of Tourism Studies, University of Lucknow, Lucknow, presented a paper on "Shakti Worship in Rarh Bengal: A Study on its Circuit Development".

International Seminar on Cartography For Analysis and Management of Climate Change (November 9-11th, 2016) at Department of Geography, Santiniketan, West Bengal, presented a paper on "Depleting Badlands Need Geoconservation".

National Seminar on "Land Use Planning and Management" on 28th- 29th September, 2016 organized by Institute of Landscape, Ecology and Ekistics at Dept. of Geography University of Calcutta.-

paper presented on "Sustainable Geotourism: A Study in Subarnarekha Basin"

"Status of Tribes in North-East India" organized by Department of History, Chandraketurgarh Sahidulla Smriti Mahavidyalaya in collaboration with Geographical Society of West Bengal, Alipurduar on 17th-18th December, 2016. Also chaired a session.

National Seminar on "Geospatial Technology & Regional Development" on 18th-19th February, 2017 organized by Department of Geography Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur 273009 (U.P.) India - Paper presented on "Geospatial Technology in assessing the Vulnerability of a Mountain Resort". Also chaired a session.

- iv. National Seminar on "Changing Physico-cultural Landscape: Threats and Opportunities" under UGC DRS Phase II (SAP- I) Programme on 30th March, 2017 organized by Department of Geography, University of Calcutta, - Paper presented on "Evolving Hindu Folk Religious Culture of Rarh Bengal".
- i. Seminar on "Earth Science, First Regional Science and Technology Congress" November 7-8th, 2016, organized by Department of Science and Technology, Government of West Bengal and Bankura Christian College. Chaired a Session
- ii. Seminar on "Food Security & Urbanization Equilibrium: A Sustainable Man-System Approach" November 22-23, 2016, organized by Dept of Geography, Birbhum Mahavidyalaya, West Bengal, India
- iv. Seminar on "Application and Emerging Trends of Geospatial Technologies For Sustainable resource Analysis and Management, January, 13th, 2017, organized by Department of Geography, Kabi Sukanta Mahavidyalaya in collaboration with Department of Geography, Tarakeswar Degree College, Tarakeswar, chaired a session.
- v. Seminar on "National Seminar on Geospatial Technology & Regional Development, February 18-19, 2017, organized by Department of Geography, Deen Dayal Upadhyaya University, Gorakhpur, U.P. , India.

Krishnendu Gupta

- i. 10 November 2016: INCA International Congress on 'Cartography for Analysis and Management of Climate Change' organized by Department of Geography, Visva-Bharati, Made a presentation on 'Impacts of Irrigation on Agriculture in The Simlapal Block of Bankura District Block of Bankura District' (Co-author: S.P. Mondal) Also made a presentation on 'Land use Land Cover change(LULC) in Mohammad Bazar Block, Birbhum District, West Bengal' (Co-author: F.H. Siddika). Also made a presentation on 'Performance of the National Family Welfare Programme towards reducing population growth: A district level comparative study in West Bengal' (Co-author: M.H. Askari). made a presentation on 'Industrialization: changing rural land use and livelihood pattern A case study of Bamunara mouza, West Bengal' (Co-author: S. Chatterjee)
- ii. 22 February 2017: International Conference on 'Urban Geoinformatics' organized by TERI University from 22-23 February 2017; made a presentation on 'Mapping peri-urbanization of Burdwan City, West Bengal: A Longitudinal Study' (Co-author: M. Arif).

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the department:

Fresher's welcome, Farewell function, Teachers Day Celebration, Intra Departmental Football & Cricket Tournament.

**Academic distinctions gained by Teachers/Scholars or the Department as a whole-
Uma Sankar Malik**

Members of BOS:

- i. Department of Geography, Kalyani University, Kalyani, Nadia
- ii. Department of Geography, Gour Banga University, Malda.

V.C. Jha:

President, INDIAN NATIONAL CARTO GRAPHIC ASSOCIATION, 2016-2017

Member of the Editorial Board:

JOURNAL OF INTERNATIONAL BUDDHIST STUDIES (JIBS), Buddhist Research Institute, Mahachulalongkornrajavidyalaya University, THAILAND

- i. Completed deputation tenure 3 years 3 months of DIRECTOR, NATIONAL ATLAS AND THEMATIC MAPPING ORGANISATION (NATMO), MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA

Sutapa Mukhopadhyay

- i. BOS member of P.G. Board of Department of Geography of Vidyasagar University, Medinipur & Directorate of Distance Education.

BOS member of P.G. Board of Department of Geography of Burdwan University.

Member of Executive Council of Indian Institute of Geomorphologists, Allahabad.

- iv. External reviewer of the International Journal of Environment, Development and Sustainability. Springer

Publications within the year April 2016-March 2017

Professor Uma Sankar Malik

- i. "Potentialities of Heritage Tourism of Nabadwip Town", Co-author-Sri Surojit Das PRACTISING GEOGRAPHER, Vol.20, No.2 pp.164-179, KOLKATA, ISSN NO-0975-3850, winter 2016
- ii. (2016) Role of Census Towns on urbanisation in West Bengal, Co-author: Sri Chinmoy Kundu, Vol. XLVII, NO.1. Regional Science Association, India, pp.101-113- ISSN 0046-9017, pp.101-113, 2016

Malay Mukhopadhyay

- i. 'Jeeban Kathar Nadi' A novel on River. In Bengali) October. 2016. Publication- Sopen. Kolkata, ISBN: 978-93-82441-09-0

- ii. 'Tales within River' A novel on River (English) October. 2016. Publication- Sopen. Kolkata -6. ISBN: 978-93-82441-78-1

V.C. Jha:

Research Papers:

Principal Component Analysis of Remotely Sensed Data and its Applications in Terrain Analysis : A Case Study of Dumka Upland, Jharkhand, India, Using LANDSAT 8 Image (Jointly with Sayen Choudhary & Sucheta Mukherjee; The Goa Geographer, Vol. XII No.1 Dec. 2015 pp.1-9

Geographical Analysis and Mapping of some important Buddhist Sites in India using Geospatial Techniques and their impact on Cultural Development in South-East Asia, Vibhash C. Jha and Sucheta Mukherjee

The 7th International Buddhist Research Seminar, BRI and Nan Sangha College, M C University, Thailand, 18-20, February, 2016, p.53

Role of Geospatial Technology in Analysis and Mapping of Some Important Buddhist Sites in India and its Cultural Geography Significance in Thailand; NIC 2017 MCU KK " Buddhist Innovation for Developing Thailand " 4th National and 2nd International Conference 2017 MCU, KhonKaen Campus, Proc. pp 85-95

Sutapa Mukhopadhyay:

Quantitative study of shoreline changes and erosion hazard assessment: case study in Muriganga-Saptamukhi interfluvium, Sundarban, India. Modelling earth systems and Environment, Vol 2, No 2, Springer, ISSN 2363-6203, April 2016

Flood Assessment and Plan for Sustainable Measures: Mayurakshi River Basin, West Bengal. Environmental Degradation and Disaster: A Vision Plan for Sustainable Development Edited by Tapan Kumar Das and Kesab Mondal. Avenel Press ISBN: 978-93-80736-25-9, pp32-47, August 2016. Bank erosion and its Management: Case study in Muriganga-Saptamukhi Interfluvium Sunderban, India. Geography Review of India Vol78 no 2 pp146-161, ISSN 0375-6386 June, 2016

Optimum Utilization of Wetlands: Rural water resource. Land use planning and Management. Edited by Prof. Subhash Chandra Mukhopadhyay, and et.al Institute of Landscape Ecology and Ekistics, Kolkata. PP 59-72. ISBN-978-81-928047-6-7 ,September, 2016

Fluvial systems: Interruptions and Consequences. Practising Geographer, Vol 20. No 2 .Foundation of Practising Geographers, Kolkata. pp1-15 ISSN 0975-3850 December, 2016

Process Form Responses of Shoreline Erosion using Geo-spatial Techniques: Case study in Muriganga-Saptamukhi Interfluvium, Sunderban. Earth Science India, Vol 10(1), eISSN:0974-8350 pp1-12, January, 2017

Premangshu Chakrabarty

"A Quantitative Appraisal of the Level of Satisfaction of the Medical Tourists in Kolkata, West Bengal" in Indian Journal of Spatial Science (EISSN: 2249-4316), 2016, Vol. 7, No. 2

"Spiritual Institution Contribution to Rural Development: A Study on the Tamil Villages of Irumbai and Kuilapalayam", in Journal of Interacademia, (ISSN 0971-9016), 2016, Vol. 20, No. 4

iii. "Rejuvenation of a Tourist Destination: A Study in Bakreswar, West Bengal" in Practising Geographer (ISSN 0975-3850), 2016, Vol. 20, No. 2

iv. "Faithscape and Pilgrimage: A Study in Kamrup-Kamakhya In Association with Serial reproduction.", in Indian Journal of Landscape Systems & Ecological (ISSN 0971-4170), 2016, Vol. 39, No. 1

Krishnendu Gupta

i. Krishnendu Gupta & Md. Hasan Askari, 2016. Conceptualising Medical Geography, Transactions, Vol. 38, No. 1, 2016, pp. 127-135

ii. Krishnendu Gupta & S.P. Mandal, 2016. Relationship between Net Irrigated area And Net

- Sown Area Mapping in Simlupal Block of Bankura District: An Assessment, International Journal of Current Research, Vol. 8, Issue: 08, pp.37443-37450, August. ISSN: 0975-833X
- iii. Krishnendu Gupta & Md. Hasan Askari, 2016. Changes in socio-economic and health condition of rehabilitated slum dwellers in Kolkata, West Bengal, International Journal of Human Capital in Urban Management, Volume 1, Issue 2, Spring 2016, pp. 117-122, DOI: 10.22034/ijhcum.2016.01.02.005

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development.

The Department of Geography was established in the late sixties (1968) with only 3 years undergraduate honours course. Subsequently the two years post-graduate course was introduced in 1978 with a total capacity of approx. 50 students in each year. At present 62 research scholars are pursuing their research programme for Ph.D degree. 10 scholars are holding the UGC-NET(JRF &SRF) position.

Keeping in mind the present developmental trends in Geography, the department in recent years has paid attention particularly to the following thrust areas of the subject like water resources management, landscape ecology, population & settlement, infrastructures development, Urban & regional planning and development etc along with the existing course curriculum. The department also feels that the installation of modern systems are required for collecting, processing and displaying the spatial and non-spatial data and to meet this demand an Advanced PG diploma Course in Geoinformatics will be installed to provide trained manpower. We are also about to start a course on Disaster Management as optional subject, as passed in Academic Council, in collaboration with other departments where the holistic viewpoint of Geographical studies will be an added benefit.

Any other relevant information which in the opinion of the HOD is worth reporting should be included:

Particulars in details of the Departmental Library :

Area in (sq. meters) quoted for the library- 30ft.x20ft.

Is there separate provision for Reading Room? -No

Total No. of books: 1440

Total No. of books purchased during the year- The record is with the central Library

Total Number of Periodicals - Nil

Total Number of periodicals purchased during the year- Nil

Total Number of Reader - 300

Total Number Books and periodicals issued - 500

Total Number of staff-members(Category wise) -No library staff

Teaching Staff (Details) Please note that every col. Must be filed up as desired by UGC

DEPARTMENT OF HISTORY

Bipasha Raha

Publications

Books

1. Deepak Kumar & Biapsha Raha (ed.), Tilling the Land, Agricultural Knowledge and Practices in Colonial India, Primus Books: New Delhi, 2016

Book Chapters

Bipasha Raha, 'Transformation of Agricultural Practices: An Indigenous Experiment in Colonial India,' in Deepak Kumar & Biapsha Raha (ed.), Tilling the Land, Agricultural Knowledge and Practices in Colonial India, Primus Books: New Delhi, 2016

Bipasha Raha, 'Kalimohan Ghosh O Rabindranath Thakurer Gram Punorgathan Prayash,' in Tapati Mukherjee & Amrit Sen (ed.), Rabindra-Balaye Biddiotjan, Rabindrabhavan, Visva-Bharati, Santiniketan, 2016

Bipasha Raha, 'Introduction', in Deepak Kumar & Biapsha Raha (ed.), Tilling the Land, Agricultural Knowledge and Practices in Colonial India, Primus Books: New Delhi, 2016

Lecture

Delivered Prof. Sunil Kumar Sen Memorial Lecture in the Institute of Historical Studies on 29 June 2016.

Chhanda Chatterjee

Research Projects

Completed ICHR Project on 'The Sikh Minority Syndrome and the Partition of the Punjab, 1920-1947' in 2016

Acted as Visiting Fellow from 9th-15th March, 2017 at Centre for Advanced Studies, at Department of History, Calcutta University under U.G.C. DRS Special Assistance Programme. Delivered a series of lectures on Tagore and Nationalism.

Convener of National Conference on 'History, Economy and Society' in September in the Department of History, Visva Bharati under the auspices of UGC SAP DRS III.

Publications

Edited Volumes and Articles in Edited Volumes

'Rabindranath Tagore's Use of Guru Gobind Singh as a Nationalist Icon' published in K.L.Tuteja and Kaustav Chakravarty (eds.) Tagore and Nationalism (Springer)

Edited with an Introduction: 'Rabindranath Tagore : A Mind Staring into Infinity' (Primus Books, New Delhi)

'Recasting the Outcaste: Rabindranath Tagore and His Six Punashcha Poems' published in Blanka Knotkova-Capkova (ed.), Tagore on Discriminations: Representing the Unrepresented (Metropolitan University, Praha, Czech Republic)

Conferences Attended and Papers Presented

Paper presented on Tagore and Nationalism at International Conference on 'Rabindranath Tagore and Cosmopolitanism' under SAP DRS II UGC by Department of English and Other Modern European Languages, Visva Bharati, Santiniketan on February 27-28, 2017.

Syed Ezaj Hussain

Deputation to the University of West Indies:

Report about the Academic and research activities from the Head, Department of History, University of West Indies, is enclosed herewith.

1. Organized one Day International Seminar on 'Cultural nationalism: Possibilities and challenges emphasis on the Caribbean World' in the Department of History, University of West Indies, St. Augustine, Trinidad on 26th February 2016 and presented a research paper titled: 'Legacy of India's Freedom struggle and the cultural nationalism: Some reflections'.
2. Delivered ICCR Public Lecture in the Department of History, University of West Indies, St. Augustine, Trinidad on 20 July, 2016. The topic of the Lecture was: 'Prosperity to Decline: East India at the commencement of Indentured Labour'.
3. Coordinated with the High Commission of India in holding a Conference on 'Making of the Indian Constitution: Role of Dr Bhimrao R. Ambedkar' in the University of West Indies on 5 May, 2016.

Publication of Book:

A book titled Shiraz-Hind: A history of Jaunpur Sultanate has come out from Manohar publication, New Delhi, 2017.

Participation in Seminars

1. Participated in an International Seminar on 'Exploring South Asia: State, Religion and Society' held on 8-9 March 2017 at the University of Gour-Banga, Malda and presented a research paper titled: 'Confluence of creativity and spirituality: Some unique inscriptions of Gaur-Pandua'.
2. Participated in a UGC sponsored seminar on 'Journeys into the past: History and heritage as a tourist attraction in Bengal' held on 10-11 March 2017 at the THLH Mahavidyalay, Mollarpur and presented a research paper titled: 'Concept of Mega structure and tourism: Some architecture of Gaur-Pandua'.

Sandip Basu Sarbadhikary

Seminars and Conferences

1. Attended the UGC sponsored National Seminar on 'Society, Economy and Environment of Tista -Brahmaputra valley: A changing Scenario' organized by Department of history, Netaji Subhas Mahavidyalaya, Haldibari, Cooch Behar in collaboration with Department of History, Maynaguri college, Jalpaiguri, West Bengal on 3-4 September 2016 as chief guest to inaugurate and delivered a special lecture on 'Gender, Environment and poverty- An overview'.
2. Participated in the National Seminar on 'Peasant, Tribe, Country and the Economy: Pre-Colonial to Modern times' organized by Department of History, Visva Bharati, Santiniketan on 26-27 September 2016 and presented a paper entitled 'Environmental Degradation and its impact on peasant society' in the Second Academic Session 'Urbanization and its impact on Environment and Economy'.
3. Participated in the international Seminar on 'Exploring South Asia: State, Religion and Society'

organized by Department of History, University of Gour Banga Malda on 8-9 March 2017 and presented a paper entitled ' Changing pattern of Regional History: An evaluative Approach' in Plenary session II and chaired the technical session as well.

4. Member of the Advisory Committee of UGC Sponsored National seminar on 'Journey into the Past: History and Heritage as a Tourist Attraction in Bengal' organized by Department of History, Turku Hansda Lapsa Hemram Mahavidyalaya, Mallarpur, Birbhum in Collaboration with Department of Tourism, Government of West Bengal on 10-11 March 2017 and delivered speech as Resource Person on 'Historical Application in Tourism.'

Arpita Sen

Papers presented

'A Poor Man's Religion':The Sadharan Brahma Samaj Mission in late nineteenth century colonial India,' in the National Seminar on "Peasant, Tribe, Country and the Economy:Pre-Colonial to Modern Times,"In the Department of History,Visva-Bharati on26-27 September,2016

'The Kamarupa- Sikh Connection: An Appraisal,"in the37th Annual Conference of the North East India History Association held in Sikkim Government College,Tadong on 10-12 November,2016

'India's Partition and the question of the politics of identity in Assam,'in the National Seminar on "Revisiting Partition: Concepts ,Dynamics and Manifestations with special reference on North East India in IIT Guwahati on10th and 11th February,2017

Publications

'The Sadharan Brahma Samaj Movement Among the Khasis in Late Nineteenth Century Colonial India,' in The Heritage, Multi-Lingual Research Journal on Indology ,Volume -VII,Issue-2,2016,Guwahati ,pp25-40

'Pedagogy For Religion: Missionary Education,Evangelization and the Conversion of Khasis in Nineteenth century Colonial India,' in the Proceedings of the Indian History Congress ,76th session held at Malda, 2015, published Aligarh,2016, pp. 532-538

Arunava Das

Participation in Seminar:

Participated and delivered a special lecture on 'Village based eco-tourism in North Bengal: Emergence and development' in UGC Sponsored National Seminar on "Journeys into the Past: History and Heritage as a Tourist Attraction in Bengal" organized by the Department of History, THLH Mahavidyalay in collaboration with Department of Tourism, Government of West Bengal, held on 10 and 11 March, 2017.

Publication:

Published books: 2

(1) Grame Toitai (in Bengali) Shristisukh Publishers, Kolkata. January 2017

ISBN 978-1-63535-648-9

(2) Nagorik Diary (in Bengali) Abhijan Publishers, Kolkata, January, 2017

ISBN 978-93-801797-33-3

Published 22 articles and 93 photographs in following periodicals: Bhraman (ISSN 0971-8885), Long Journey (ISSN 2455-1767) etc.

Award:

Annual Report 2016-17

Got 'Travel Writer of the Year 2016' award from Sikkim express newspaper and Association for Conservation and Tourism. Ceremony held at Siliguri City Centre on 2 October, 2016.

Pum Khan Pau

Papers presented in seminars/conferences

1. 'Fragmented space: Re-imagining colonial policy towards the Indo-Burma frontier', presented in the National Seminar organized by DRS SAP, Department of History, Visva Bharati University, Santiniketan, 26-27 September, 2016.
2. 'Revisiting a "Culture area": Articulating indigenous space in the Indo-Burma borderland', presented in the 45th Annual conference on South Asia, University of Wisconsin, Madison, 20-23 October, 2016.
3. 'The making of transborder community: Rethinking colonial policy and the rape of the Indo-Burma borderland', presented at the 4th International Conference on North East India, Reframing India's North-East: People, power and perspective, Sikkim University, Gangtok, 24-26 November, 2016.
4. 'Border vision: History and transborder dialogue among the indigenous people of the Indo-Burma borderland' presented at a two-day National Conference On borders and borderlands: Negotiating the 'margins' under globalization, organized by Institute of Development Studies, Kolkata, 7-8 February, 2017.
5. 'Partition of an indigenous space and people: Confronting colonial mapping and territoriality in the Indo-Burma borderland', presented at a National Seminar on Revisiting Partition: Concepts, dynamics, and manifestations with special focus on north-east India, organised by Department of Humanities and Social Sciences, IIT Guwahati, in association with Institute of Social Change and Regional Development (ISCARD), 9-11 February, 2017.

Sudhi Mandloi

National Seminars -

Attended and presented a paper entitled 'Dr. Ambedkar Quest of Women Empowerment' in the National Seminar on Relevance of Dr. B.R Ambedkar for Inclusive Development in India held on 14th April 2016 at Lipika Visva Bharati .

Attended and presented a paper entitled 'Changing Profile of the Mahars in Bombay Presidency: From Village to the Cities' in the National Seminar on 'Peasant, Tribe, Country and Economy: Pre-colonial to Modern times' held on 26-27 August, 2016 at Dept. of History, Visva Bharati.

Attended and presented a paper entitled 'Negotiating women's space in the Historiography of the Indian Freedom Movement: A Gender Standpoint' held on 22-23 October at Swaraj Sansthan, Bhopal M.P.

Attended and presented a paper entitled 'Sacred prostitution and the sexual exploitation of Dalit Women in twentieth century Maharashtra' in the International Conference on 'Crossing Borders: Gender, Sexuality and Culture held on 4th March 2017 in London UK.

Publication:

Paper entitled 'Dr. Ambedkar Quest of Women Empowerment' has been published in the edited volume I as proceedings of the National Seminar on 'Relevance of Dr. B.R Ambedkar for Inclusive Development in India' held on 14th April 2016, Lipika Visva Bharati. ISBN: 978-93-85503-58-0

New Delhi Publishers.

Amarendra Kumar

Paper Presented:

1. 'The Village Servants in Pre-Colonial Maharashtra: A Brief Appraisal of the Caste Status and Functional Utility of Balutedars' at a National Seminar on "Peasant, Tribe, Country and the Economy: Pre-Colonial to Modern Times" organized by the Dept. Of History, Visva-Bharati, Santiniketan (26-27 Sep. 2016)
2. 'Aspects of Pre-Modern Cartography of the Konkan Coast and the causes of the Success of the Maratha Navy' at 37th INCA International Seminar on "Cartography for Analysis and Management of Climate Change" organized by the Dept of Geography, Visva-Bharati, Santiniketan (09-11 Nov. 2016)

Invited Lectures: Two (02) Invited Lectures delivered at the Centre for French and Francophone Studies, Jawaharlal Nehru University, New Delhi, on 16.02.2017:

1. French Sources on Indian History
2. French-Maratha Interactions (1670-1760)

Subhayu Chattopadhyay

Seminars/Conferences:

1. Delivered a lecture as Key-Note Speaker at a State Level Seminar on 'Netaji Subhas Chandra Bose: Re-exploring His Thoughts and Involvement', organized by the Department of History, Southfield College, Darjeeling on November 16, 2016.
2. Delivered a lecture as Resource Person on 'Partition as reflected in Bengali Literature' at an International Conference on 'Bengali Society, Language and Literature: Cultural Transactions among Neighbour(s)', organized by the Department of Bengali, SKBU, Purulia, West Bengal during February 8-10, 2017.
3. Delivered a lecture as Resource Person on 'Dr. Anandi Gopal Joshi: The First Woman Doctor of Colonial India' at the S.P. Sen Centenary Seminar, organised by the Institute of Historical Studies, Kolkata, on 19-20 February, 2017.
4. Delivered a lecture as Resource Person on 'Journey from Subhas Bose to Netaji in the context of Indian national Movement' at the UGC-sponsored National seminar on 'Indian National Movement: Different Facets of Mass Mobilization' organized by the Department of History, Netaji Mahavidyalaya, Arambagh, Hooghly during February 22-23, 2017.

Atig Ghosh

Seminars, Conferences, Lectures

Principal Speaker for the Fourth Lecture on Migration organized jointly by the Department of History, Patna University, and the Tata Institute of Social Sciences (TISS), Patna, on October 15, 2016. The lecture was entitled "Fluid Futures: Migrant Labour and Trafficked Lives in Millennial Siliguri".

Presented the paper entitled "'It does not matter who among us will live to see India Free': Afterlife

DEPARTMENT OF ANTHROPOLOGY

Extension activities/NSS/Cultural & Other activities organized by the Department and participated by the teachers and students of the Department:

1. Organized Freshers welcome, Farewell Programme, Study tour, Picnic etc.
2. Participated in VirkhaRopana, PoushUtsav, VasantaUtsava and other University/functions and Festivals during 2016-17.

Others

Manas Roy:

1. Member, Advisory Board. Global Media Journal. USA
2. Member, Expert Committee for Social Sciences, Indira Gandhi National Open University (IGNOU), Govt. of India, New Delhi.
3. Member, Advisory Committee, Mass Media Centre (MMC), Deptt. of Information & Cultural Affairs, Govt. of West Bengal, Kolkata.
4. Member, Editorial Board. The Journal of Social Research, Ranchi.
5. Member, The Committee of Networking & Communication, Anthropological survey in India.
6. Member, Joint Programme Advisory Committee, PrasarBharati, Govt. of India, New Delhi.
7. Editor Nritatta :The Anthropology Biannual Journal (ISSN:2249-9830)V.B Santiniketan.

A brief history on the development of the Vibhaga/Dept. Conquered with an indilation of the future plans for development :

The Dept. of Anthropology is bifurcated from the PalliCharcha Kendra, psv, under which a two year PG Course of Anthropology has been running since 1991. But it was created as an independent Dept. on 02/02/2010 under VidyaBhabana (Institute of Humanities and social Sciences). It is now offering a two year MA/MSC Course in Anthropology having two major special papers like Biological Anthropology with several micro areas. It also conducts one semester Ph.D. Course work. The dept. has qualified and specialized teachers who conduct Ph.D research journal "Nritatta - The Anthropology" with ISSN (2249-9830).

Future Plan:

1. Updating the Present Course Curriculum.
2. Exporting the Probability of introducing short term Courses.
3. Introducing BA/BSC. (Hons) Course at Under graduate level.
4. Installation of Community Radio Centre for the PG Students who have Specialization is 'Communication Anthropology.'

Any other relevant information, which ---the opinion of the Head of the Deptt. Is worth reporting: The Deptt. introduced its own website (w.w.w. deptt. of anthropology, Visva-Bharati Santiniketan).

CENTRE FOR JOURNALISM & MASS COMMUNICATION

Name of the students qualified in UGC/CSIR/NET/SLET & GATE Exam.:

Nishant Kumar - NET

Arpita Saha - NET

Departmental Seminar (Speakers, Title of the seminar, date)

20th February, 2017 : Inaugural Seminar of 'Developing Community from within' project in collaboration with Gurudev Rabindranath Tagore Foundation, New Delhi, Resource Persons - Dr. Marilyn Wilhelm (Founder Wilhelm Schole Foundation, USA) & Prof. Piyali Palit (Jadavpur University).

11th February, 2017 : Workshop for 4th Semester students. Resource person : Abhijit Dasgupta, Media Strategy Advisor, Star Group.

27-28 January, 2017: Workshop 'Media Story to Headline' Resource persons - Prasanta Paul, , Former Special Correspondent and Bureau Chief, The Deccan Herald.

12th January, 2017: Media Doctor India workshop was organized jointly with New Castle University, Australia & George Institute of Global Health, New Delhi. Resource Persons: Dr. David Smith & Dr. Ann Taylor (Newcastle University) and K. Krishnaswamy, GIGH

24th & 25th November, 2016: PR & Print Media Workshop; Resource Persons: Arindam Basu, MD, Carpathem Pr, Kolkata & Snehasish Sur, TV Journalist

30th August, 2016: Professional Workshop in Advertising & Photography; Resource Persons: Mrityunjay Chatterjee, Founder, Thoughtshop & B. Das, Noted Photographer

19th August, 2016: Shri Prasanta Paul, Former Special Correspondent and Bureau Chief, Deccan Herald conducted workshop on "News for Print and Online".

16th August, 2016: Shri Snehasish Sur, Sr. Correspondent, Doordarshan, Kolkata conducted Workshop on "TV news"

23 July, 2016: Shri Jawhar Sircar, CEO, Prasar Bharati, Public Service Broadcaster of India gave special lecture " Religion, Culture and Commerce Go hand in Hand.

4. Only National & International standard Conference/Seminar/Workshop/Exhibition

Attended by Teachers/Research Scholars in details:

Bipab Loha Chowdhury

Conference Chair/Session Chair (outside own university)

1. General Conference Chair's address: First International Conference on Media & Communication for Sustainable Development, 24th October, 2016 organized by Army Institute of Management Greater Noida along with ACMC India Chapter, Upsala University Sweden, SERD, IIM Kashipore, Guru Jambheshwar University and Visva-Bharati.

Invited Talk "Disruption in Education to Reach Out to the masses" on 4 March 2017 in 11th Global Communication Conclave organized by Public Relations Council of India in Bangalore.

Valedictory Address in UGC national Seminar at Manindra Chandra College, Kolkata on Role of media in Social political and Economic Development on 9 March 2017.

Valedictory Address in UGC national Seminar at Derozio College, Kolkata on Role of Communication from Ancient to Modern India on 9 February 2017.

Presented paper on Globalization & the Changing Paradigm of New Media in ACMC 2016 international Conference on 28th October in Universitas Muhammadiyah Yogyakarta, Indonesia.

Invited Talk 'CSR & SD: Perspective and Action Differentials' in University of Malay-Wales, University of Nusantara and SERD international conference on "CSR & Sustainable Development" on 30th May, 2016 in Kuala Lumpur, Malaysia.

Mausumi Bhattacharyya

March 25-26, 2017 : Presented paper titled "The 3.0 Era- An Academic Discourse on the Transformed Dimension of Media Studies" as a resource person in the UNICEF supported national seminar titled 'Communication Education 3.0: Synergizing Technology and Development' organized by the Tezpur Central University in Tezpur, Assam

March 15-16, 2017 : Chaired a session titled 'Documenting Violence and Empowerment Issues' in the national seminar on 'Economic Empowerment and Violence Against Women : Understanding the Backlash' organised by the Centre for Women's Studies, Visva-Bharati in Santiniketan

February 25-26, 2017 : Chaired a session and presented a paper titled "New Media : The Decadence of Morality or the Culture of Dissent" in the international conference on " Free Speech and Democracy in New Media Milieu" organised by the RTM Nagpur University in association with ICSSR in Nagpur, Maharashtra

August 3-7, 2016: Moderated a session titled 'Innovating Public Diplomacy at the Digital Age' in the Association for Education in Journalism and Mass Communication (AEJMC) 2016 Annual Conference held in Minneapolis, USA

June 10, 2016 : Delivered an invited lecture as a resource person on "Mobile Phone: A new tool to empower rural women in India" organised by the Department of Information, Ministry of Parliamentary Reforms and Mass Media, Government of Sri Lanka in Colombo, Sri Lanka

Sanhita Chatterjee

9-10 March 2017: Presented a paper entitled - "A study on the media portrayal of women athletes" presented at the UGC Sponsored National Seminar on "The role of media in Social, Economic and Political Development" organized by the Department of Journalism and Mass Communication, Maharaja Manindra Chandra College, Calcutta University.

2-4 March 2017: Presented a research paper entitled - "A study on the rise of Surrogate advertising and its effect on Indian youth" at the International Conference on Media and Communication Studies 2017 held at Amity University, Jaipur, India.

23 December 2016: Presented a paper entitled - "Representational Bias against Women Athletes by the Media in Olympics 2016" at the UGC Sponsored National Seminar organized at Rastraguru Surendranath College in collaboration with the Department of Journalism and Mass Communication, West Bengal State University.

25-26 November 2016: Presented a research paper entitled - "Media Representation of Women Athletes in Summer Olympics 2016: A Case Study" at the International Conference on the Role of Media in a Democracy held at the Xavier School of Communication, Xavier University, Bhubaneswar, India.

Doctoral Scholars

Debastuti Dasgupta

Presented a paper titled, "Participatory Culture in Internet with special reference to Bengali Film Promotion" in International Conference on "Media and Communication Studies 2015" organized by Amity University, Rajasthan on 02-04 March, 2017.

Presented a paper titled "Social Media Promotional Strategy of Film Industry: A Case Study of Three Bollywood Films" in International Conference on Management Perspectives in Amity University Rajasthan by Amity School of Business on 1st-2nd September, 2016.

Presented a paper titled "Digital Democracy and E Governance: Reshaping Political Participation" in International Conference on Management Perspectives in Amity University Rajasthan by Amity School of Business on 1st-2nd September, 2016.

Presented a paper titled "Changing Consumer Behaviour in Cyber Era with Special Reference to Film Consumption and Marketing" in "All India Media Educators Conference on Media Ethics and Responsibility" organized by University of Rajasthan and Amity School of Communication, Amity University, Rajasthan on 22nd-24th April, 2016.

Presented a paper titled "Social Media has a Strong Aid in Shaping CSR Policies and Projecting Corporate Image: Critical Overview and Analysis" in "All India Media Educators Conference on Media Ethics and Responsibility" organized by University of Rajasthan and Amity School of Communication, Amity University, Rajasthan on 22nd-24th April, 2016.

Archan Mitra

Paper Entitled "Information and Communication for Environmental Sustenance- A study of Community Informatics in Smart Cities" was presented in a National Conference on "Media & Communication in Sustainable Development (ACMC & SERD) 2016" organized by Army Institute of Management (AIM) Noida, Delhi. (November 2016)

Paper Entitled "Understanding Human Sentiment Towards Environmental Information for Sustenance- A Sentiment Analysis of Social Media Discourse" was presented in a International Conference on "International Conference on Changing Power Structures of Communication Shifting Notions of Authority and Influence "organized jointly by Asian Congress For Media & Communication and UMY Yogyakarta, Indonesia. (November, 2016)

Paper Entitled "Human-Nature Relationship- Need for an Information and Communication Paradigm shift in Anthropocene of Information Age" was presented in an International Conference on 'People, Planet, and Profit: Synergistic Leadership for Social and Communication Innovations' organized by (MICA) International Communication Management Conference ICMC 2017 (January 2017)

Paper Entitled "Environmental Communication: An Exploratory Analysis of Anthropogenic Activity on Ground Water Pollution" was presented in a UGC Sponsored National Seminar on "Problems and Sustainability of Surface and Groundwater Resources in Deltaic West Bengal Burdwan, 2017" organized by department of geography, economics and commerce Chandrapur college, Chandrapur, Burdwan, West Bengal. (March 2017)

Kapil Kumar Bhattacharyya

Presented a paper entitled "Journalism Ethics: What Ancient India Can Teach Us" in international conference on "Role of Media in Democracy" organized jointly by Xavier School of Communications,

Xavier University and Odisha TV during November 25-26, 2016.

Presented a paper entitled "C4D, People's Participation and Communication Education: Insights from Sage Bharata's Nyayastra" in international conference on "Media & Communication in Sustainable Development" organized jointly by Army Institute of Management & Technology (AIMT), Greater Noida, APMC (Asian Congress for Media and Communication) India Chapter and Society for Education and Research Development (SERD) in association with Indian Institute of Management (IIM), Kashipur, India, Uppsala University, Sweden, Guru Jambheshwar University of Science & Technology, India and Visva-Bharati, Santiniketan, India during October 24-25, 2016. Presented a paper entitled "Politics and Communication in the Post-Globalization Era: Insights from Kautilya's Arthastra" in UGC-Sponsored National conference on "Media, Politics and Economics in Post-Globalization India" organized jointly by Dept. of Journalism and Mass Communication, Economics & Political Science, Gurudas College, Kolkata during September 22-23, 2016.

Ongoing Research Projects in the Department:

Biplab Loha Chowdhuri

- a. Developing Community From Within Project as Project Director; Sponsor: Gurudev Rabindranath Thakur Foundation, New Delhi from January, 2017; amount sanctioned Rs. 1.10 lakhs
- a. Media Doctor India Pilot program 2015-2017 with George Institute of Global Health, Oxford university India office and New Castle University, Australia

ii. Mausumi Bhattacharyya

"Mobile Phone: A New Tool to Empower Rural Women in India with special reference to Bolpur-Sriniketan Block, WB" sponsored by the International Association of Women in Radio and Television (IAWRT) - FOKUS, Norway, 2015- 2016 (completed in September, 2016)

6. Extension activities/NSS/Cultural & other activities organized by the Department and participated by the Teachers and Students of the Department:

1. For the first time, Student Internship Programme during Puja Vacation, 2016 saw students getting trained in Coal India, Ogilvy & Mather, Dollar Industries, RUDRA etc. Except 5, all third semester students completed the programme.
2. Visva-Bharati Chronicle, the practical tabloid's periodicity was increased from twice a year to four times a year from August 2016. Students, for the first time started making print ready soft copy of the tabloid using Indesign software in CJMC itself.
3. First Visva-Bharati Chronicle Students' debate "Is India Encircled with Terrorism" was organized by Students' Placement Committee on July 15, 2016
4. First Alumni conference 'Retour' was organized on 2nd April, 2016
5. CJMC Film Festival was organized on 18th May, 2016
6. CJMC put an exhibition and video presentation stall during Poushmela from 23rd to 26th December, 2016.
7. CJMC conducted a survey for Visva-Bharati studio project during Poushmela from 23rd to 26th December, 2016.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc.)

Biplab Loha Choudhury

Resource person/Visiting faculty

- i. Media Doctor Workshop at Bangalore University Department of Communication on 6th March, 2017.
- ii. Research Methodology in Social Sciences by A.K. Dasgupta Center for Planning & Development (Sponsored by NITI Ayog,GOI), Visva-Bharati on 7th December,2016.

Professional Recognitions

- i. Country Director for India (Head of National Executive) by Asian Media &Communication Congress for 2016-2018.This is the consecutive term for him.

Membership of Professional Body

- i. Member, AsianCommunication&MediaCongress,HQ- Manilla,Philippines
- ii. Life Member. Indian Educational Science Association.
- iii. Member, Media Information Communication Centre of India

Committee Memberships

- a. Member, Academic Council, Visva-Bharati
- b. Chairman, UG board on Journalism & mass Communication, Gour Banga University
- c. Member, Board of Studies in Mass Communication, Sikkim Central University, Gangtok(from 2016)
- d. Member, National Monitoring Committee on Media Literacy, Indian institute of Mass Communication, new Delhi, from 2015
- e. Member, board of UG Studies in J& MC,WB state University
- f. Member, board of PG Studies in J& MC,WB state University
- g. Member, CommitteeofResearchinJournalism&MassCommunication,NSOU Kolkata
- h. Member,Board of Studies in Journalism,West Bengal State Text Book Board,Kolkata
- i. Outside expert member. Board of Research in Mass Communication, Burdwan University, West Bengal
- j. Trustee board & governing Board member, GRTE, New Delhi
- k. Governing Body member, Arkadyuti College of Education, Siuri (list not exhaustive)

Dr. Mausumi Bhattacharyya

- i. Post Doctoral Research Fellowship (2016-17) by the Indian Council of Social Science Research (ICSSR).
- ii. Nominated as the Course Coordinator for 'Gender and Media' section in the Massive Online Open Course (MOOC) of UGC.
- iii. U.S. fellowship program, Study of the U.S. Institute (SUSI) Scholars on Journalism and Media, 2016 and attended the fellowship programme from June-July 2016 hosted at Ohio University, Ohio, USA
- iv. Post- Doctoral Research Fellow of (International Association of Women in Radio and Television) IAWRT - FOKUS, Norway (completed in September, 2016)

Committee Membership

- i. Member of the National Foundation for India Media Fellowship Jury Board

- ii. India Board Member of the International Association of Women in Radio and Television
- iii. Eastern Zonal Coordinator of People's Archive of Rural India (PARI) - Have organised paid internship for ten students of CJMC (2014-16 session) with PARI in 2016
- iv. Editorial Board Member of Media Messenger, A Bilingual Research Journal in Media (RNI Registration No. MAHUL/2014/60617; ISSN 2455-2046)
- v. Member, Advisory Committee, International Journal of Communication Development, New Delhi
- vi. External Expert, BOS, Mass Communication and Videography, Rabindra Bharati University, Kolkata, WB

Sanhita Chatterjee

- i. Completed University Grants Commission sponsored Orientation Course at Human Resource Development Centre, Jadavpur University during Aug-Sep 2016 with 'A' Grade.
- Member, British Association of Film, Television and Screen Studies

Kapil Bhattacharyya

- i. Best Paper Award for paper titled "C4D, People's Participation and Communication Education: Insights from Sage Bharata's Nyāstra" in the International Conference, 2016 on "Media & Communication in Sustainable Development" organized by Army Institute of Management & Technology, ACMC (Asian Congress for Media and Communication) India Chapter and Society for Education and Research Development in association with Indian Institute of Management (IIM), Kashipur, India, Uppsala University, Sweden, Guru Jambheshwar University of Science & Technology, India and Visva-Bharati, Santiniketan, India
- 8. Publication within the year April 2016- March 2017

Bipab Loha Chowdhury

Book :

Edited jointly " Sardhasatobarshe Smaran : Ramananda Chattopadhyay" in Bengali jointly with Tapati Mukhopadhyay & Manabendra Mukhopadhyay, Publisher: Rabindra Bhavana, Visva-Bharati, March, 2017

Paper in Journal

Some Communication Thoughts in Jaina Philosophy' jointly written with Kapil Kumar Bhattacharyya Media Mimansa, journal from MCRPV, Bhopal October-December 2016 issue.

Mausumi Bhattacharyya

Edited Book:

- 1. Edited a book titled "Crony Journalism: An Overview" which has been published by the Visva-Bharati Granthana Vibhaga. ISBN : 978-81-7522-630-2

Articles:

- 1. 'A Study on People's Concerns on Social Media Analysis for Online Audience - Identification and its Impact on New Media Advertising' published as first author with Utsav Chatterjee in Amity Journal of Media & Communication Studies (ISSN 2231 - 1033, Vol 6, No. 1, 2016)
- 2. 'Engaging Social Media in Health Communication: Scope and Challenges of the 21st Century' published as first author with Priyanka Roy in the Journal of Content, Community & Communication (ISSN 2395 - 7514, Vol 3, Year 2, June -2016)

Book Chapters:

1. "Is Social Media the Holy Cow - An Introspection" published as First author with Reshmi Dalal Naskar in the book titled 'Crony Journalism: An Overview' (p.p. 114-117) edited by self and published by the Visva-Bharati Granthana Vibhaga (ISBN : 978-81-7522-630-2) in May, 2016
2. "New Media: The Decadence of Morality or The Culture of Dissent" published as the second author in the book "Free Speech and Democracy in New Media Milieu" edited by Dr. Dharmesh Dhawankar by the Department of Mass Communication, RTM Nagpur University, Nagpur, Maharashtra (ISBN: 978-81925001-6-4) in February, 2017

Sanhita Chatterjee

Book Chapters/ Columns/Reviews

Chatterjee, S. (2016). Environmental Communication in India: The Role of Media in Addressing Climate Change . In D. V. Kumar, & D. P. Gupta (Eds.), *Media & Communication in Sustainable Development*. India.

Chatterjee, S. (2016). The Syntax of Screenwriting. In A. Ghosh (Ed.), *Structure and Dimension of Screen Writing*. Kolkata, India: Netaji Subhas Open University Press.

Chatterjee, S. (2017, May 14). "Storm in a haircut". *The Hindu* . Retrieved from <http://www.thehindu.com/opinion/open-page/storm-in-a-haircut/article18447093.ece>

Chatterjee, S. (2016, December 7). "Gauri Shinde's 'Dear Zindagi' - The great leveler". *cafedissensusblog.com*. (N. Khan, & M. H. Khan, Eds.) Retrieved from <https://cafedissensusblog.com/2016/12/07/gauri-shindes-dear-zindagi-the-great-leveler/>

Chatterjee, S. (2016, October 18). "War and media ethics". *www.wionews.com*. (M. Saha, Editor, & Z. M. Ltd., Producer) Retrieved from <http://www.wionews.com/world/war-and-media-ethics-7634/>

Chatterjee, S. (2016, August 24). "The invisible citizens: are Indian women ready to reclaim the playgrounds?". *www.dnaindia.com*. (W. INDIA, Ed.) Retrieved from <http://www.dnaindia.com/analysis/column-the-invisible-citizens-are-indian-women-ready-to-reclaim-the-playgrounds-2248507>

Chandranath Banerjee

'Paid News and Journalism Today' in the book titled 'Crony Journalism: An Overview' (p.p. 114-117) edited by M.Bhattacharya and published by the Visva-Bharati Granthana Vibhaga (ISBN : 978-81-7522-630-2) in May, 2016

Co-ordinated management of a promotional Video" Safe Drive Safe Life" made by Journalism and Mass Communication, Visva Bharati, for District Police, Birbhum, West Bengal

Scholars

Debastuti Dasgupta

1. Authored a paper titled "'Film Industry and Social Media Promotion: A Study on Three Contemporary Bengali Films" in *Amity Journal of Media and Communication Studies*" (ISSN: 2231-1033) in Vol 6, Num 1, July 2016
2. Authored a paper titled "Role of Community Radio: Path Towards Gender Concerns" in the journal "Communication Today", a Bi-lingual Referred Media Quarterly Vol. 18, No. 1 Jan-March 2016 (ISSN 0975-217X)

3. Authored a paper titled "Digital Democracy and E Governance: Reshaping Political Participation" in Amity Management Review (ISSN: 2230-7230)

Arpita Saha

1. published the paper "New Media: The Decadence of Morality or The Culture of Dissent" at the ICSSR International Conference proceedings under "Free Speech and Democracy in New Media Milieu". (ISBN: 978-81925001-6-4) organized by the Department of Mass Communication, R.T.M. Nagpur University

Priyanka Roy

Title - Engaging Social Media in Health Communication: Scope and Challenges of the 21st Century, ISSN - 2395-7514, Journal - Journal of Content, Community & Communication (Vol. 3, Year 2) Year - 2016, Published by -Amity School of Communication, Amity University, Madhya Pradesh

Kapil Kr. Bhattacharyya

"Communication for Rural Development: A Study in the Indian Perspective" (2016) published in book "Media Usage in Promotional Communication" (ISBN: 81-87259-92-2, pp. 35-50), Editors: Rajesh Das, Saswati Gangopadhyaya & Mugdha Sengupta, Publisher: The University of Burdwan.

"Exploring the Possibility of Incorporating Indian Communication Thought in the Course Curriculum of Communication Studies: A Look Into the Possible Resources Towards Furthering the Same" (July 2016) published in book titled "Quality Configuration of Media Education in India" (ISBN: 978-93-84898-81-6, pp. 321-348), Editors: K. V. Nagaraj, Paul Puthussery & Ratheesh Kaliyadan, Publisher: Media Analysis & Research Center.

"C4D, People's Participation and Communication Education: Insights from Sage Bharata's Nyastra" (October, 2016) published in book "Media & Communication in Sustainable Development" (ISBN: 978-1-943438-84-6, pp. 111-127), Editors: Vikas Kumar & Pawan Gupta, Publisher: Society for Education and Research Development.

"Some Communication Thoughts in Jaina Philosophy" published (jointly with Biplab Lohachoudhury) in Media Mimansa, Vol. 10, No. 2 (ISSN: 2229-5593, pp. 9-16), December 2016)

Book Review of "Mindful Journalism and News Ethics in the Digital Era: A Buddhist Approach (Routledge Research in Journalism)-Shelton A. Gunaratne, Mark Pearson, Sugath Senarath" titled "Q&A with Book Author" published in Asia Pacific Media Educator, Vol. 26, No. 2 (ISSN: 1326-365X/ 2321-5410, pp. 288-294), December 2016).

Archan Mitra

"Environmental Crisis and Media Responsibility: A Study in the Indian Context" was published jointly with Kapil Kumar Bhattacharya in the book "Public Policy Agenda Decrypting Sustainability for India" (ISBN: 978-93-85936-16-6 IIM Kashipur, New Delhi 2016) Bloomsbury Publishing India Pvt. Ltd. Edited By: K M Baharul Islam, Mohd Anas Raushan.

"Information and Communication for Environmental Sustenance- A study of Community Informatics in Smart Cities" was published jointly with Benoy Krishna Hazra in the Book "Media & Communication in Sustainable Development" (ISBN: 978-1-943438-84-6, Haryana, 2016)

Society for Education and Research Development SERD, Edited by Dr. Vivek Kumar & Dr. Pawan Gupta

Abhijit Ganguly

Ganguly, A., Culture and Psychological variance between Indian and Japanese Communications: A highlight on situational factors, The Literary Voyage, vol-III (Jan-March 2016), chapter 8, p.68-74, ISSN - 23485272, Ed.-in-Chief Basavanthrao Patil, Gulbarga, Karnataka: Rachana Publishing House

Moon Jana

1. Jana M, (2017). Role of ICT in Environment Education - The Road Ahead. In J. Mete & S. Ghosh (Ed.), Environmental Education in India: Through the Ages (pp. 86-93). New Delhi: New Delhi Publishers. ISBN- 9789385503689
2. Bhattacharyya, M; Jana, M (2016). Social Media for Social Change: A Case Study of Clean Chai Now Campaign. Global Media Journal- Indian Edition, June, Vol- 7(1), ISSN- 22495835
3. Jana, M (2016). A Step towards Environment Media Literacy: A Case Study. Researcher World, April, VII 2 (2), 17-26, impact factor 0.765 ISSN- 22314172 (P)

Designing new Course/Curriculum or any other teaching innovations introduced by the Department:

1. Students are given exposure to presentation skills, interview techniques etc. by the faculties and industry professionals to prepare themselves for the greater challenges in future.
2. Event management skill is taught through organising various events like conferences, seminars, workshops, film screenings, special lectures etc.
3. New syllabus is being formed and under review, likely to be introduced from the academic session 2018

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development:

Gurudev Rabindranath Tagore's interest in media is well known. His contribution to different literary journals and his naming Indian Broadcasting Service as "Akashvani" are also very well known. When Visva-Bharati began its Centre for Journalism & Mass Communication(CJMC) in 2000 with PG Diploma Course in Journalism & Mass Communication, it was the founder's goal, which started preparing future communicators fine-tuned for connecting people across the world.

In 2000-2001, its 14 months Diploma Programme had 23 students. A specially designed Bridge Course leading to MA for students of PG Diploma Course was started in 2002-2003. From 2003-2004, a full-fledged 2-year MA Degree course was started with 25 students. In 2004-2005, more students took admission. At present foreign students are also studying at CJMC.

From 2009-10 session, semester system has been introduced. The PG Degree curriculum is now divided in Four Semesters (Six months duration each). The first semester takes care of the Communication Principles, Media Laws, History of Press, Reporting and Editing of Print Journalism, Heritage and Cultural Studies (with thrust on Rabindra Studies). Second Semester is mostly practical oriented. Along with Communication Research students are trained with the details of Print, Television and Radio Journalism. There are compulsory Visual, Radio and Newspaper projects. Students

prepare documentary films, Radio jingles/talks/interviews in their second semester. Third Semester is devoted to Advertising, Public Relations, Development and Rural Communication. In the Fourth Semester, every student specializes in one of the subjects among Magazine Journalism, Media Management, Television and Radio Journalism (Advanced) and Film Studies and Web Journalism. In this year, every student completes a dissertation. Film Studies and Web Journalism students prepare short film and web projects. In 2015-2016 session, they have made three short films.

CJMC presently has one Professor, one Associate Professor and one Assistant Professor supported by a pool of Guest Lecturers (Internal). CJMC also has one Field Officer who organizes regular field activities of the students and coordinates the news items published in the departmental publication 'Visva Bharati Chronicle'.

Many of the students were absorbed in Times of India, The Telegraph, Anandabazar Patrika, The Statesman, Hindustan Times, Probhat Khabor, ABP Ananda, E-TV Bangla, E-TV Rajasthan, Indian Express, TIS, Axis Bank, Siliguri College, Siliguri, Yuva Parivartan (New Delhi), Rani Birla College, Kolkata, Indian Information Service, Information and Cultural Service (West Bengal), Kaivalya Foundation, New Delhi etc.

CJMC aims to update the present course curriculum with a special emphasis on Rural Communication and New Media. Also will explore the probability of introducing short-term courses on Advertising, Public Relations, Science Communication etc.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included :

1. Industry - Academier Interface Series was started during 2016 - 2017 in which experts from Industry interacted with students at CJMC.

The interaction under the series are as follows

Date	Industry Expert	Area of interaction
11.2.2017	Kesab Pradhan Editor Eastern India Times of India	Print Media
30.1.17	Habibur Rahaman Khan Journey of Internationally Acclaimed Producer (Bangladesh)	Classic Film Creation

2. CJMC was a collaborator in two international conferences with Asian Congress for Media & Communication during October,2016-one in Greater Noida, India and another in Yogyakarta, Indonesia.
3. Students were imparted radio training extensively for two months in January and February,2017.
4. Introduced an extension lecture series for students during 2016. Kunal Agarwal (IPS, SP,Bardhaman), Prof. Dilip Mitra (Principal,Kala Bhavana) and Venugopal Rajesh (Sangit Bahvana) delivered address under this series.

DEPARTMENT OF PHILOSOPHY

Departmental Seminar

Speaker	Title of the Seminar / Seminar-Lecture	Date
Dr. Ferdinando Sardella Asst. Professor Department of Ethnology, Gender Studies Stockholm University Sweden	Intercultural Discourses: Bhaktisiddhanta and Gaudiya Math in Colonial Bengal	28.07.2016
Prof. Ananta Kumar Giri Poetics of Development: Madras Institute of Dev. Studies Chennai	Poetic of Development: Philosophy, Anthropology and Literature	26.11.2016
Prof. Prof. P.K. Pokker Senior Research Fellow, ICPR, New Delhi & Former Head of the Department, Calicut University, Kerala	Philosophy of Sri Narayana Guru, Postmodernism and the Idea of Deconstruction	14.03.2017, 16.03.2017 & 17.03.2017

Only National and International Standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

Title of the Seminar/ Conference Etc.	Place	Organized by	Name of the	Whether	Date
Re-Learning to be Human for Global Times: self-awareness of life in new era	Shanghai, China	Institute of Philosophy, Shanghai Academy of Social Sciences	Asha Mukherjee	Yes	July 9-10, 2016
Experts' Meeting of UNESCO Chairs in the field of Gender Equality	UNESCO Head Qtr. Paris	Division for Gender Equality, Office of the Director General of UNESCO	Asha Mukherjee	Yes	6-7 March, 2017
Int. Seminar on Islam and Human Rights	New Delhi	Dept. of Indian Culture & Spiritual Ramkrishna Mission,	Md. Sirjul Islam	Yes	7-8 July, 2016

Buddha & Other Ancient Indian System	Santiniketan	Vidyamandira, Belur Ramkrishna Mission Vidyamandira, Belur			
Buddha and Other Ancient Indian System	Santiniketan	Dept. of Sanskrit, Pali & Prakrit Visva-Bharati	Rekha Ojha	Yes	19-21 June, 2016
Socio-Cultural Significance of Srimad Bhagavad Gita	Santiniketan	Dept. of Sanskrit, Pali, & Prakrit Visva-Bharati	Rekha Ojha	Yes	8-10 January, 2017
Logic, Ethics and Epics: Homage to Professor Bimal Krishna Matilal	Jadavpur University	Dept. of Philosophy, Jadavpur University	Sujay Mondal	No	27th-29 December, 2016
Approaches to the Real in Contemporary	Jadavpur University	Dept. of Philosophy, Jadavpur University	Sujay Mondal	No	7th-8 March, 2017

On going Research Project in the Department

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Manjari Chakraborty	The Epistemic Character of Material Culture	ICPR (2015-2017)	Four lakhs only
Rekha Ojha	Alternative to Imprisonment in India: An Ethical Perspective	Indian Council of Philosophical Research, New Delhi	10,00000 (Ten Lac)
Asha Mukherjee	RVP Project on Re-Learning to be Human for Global Times: Challenges & Opportunities	RVPIASI Center Research Project: The Role of Intercultural Encounters	Nil
Asha Mukherjee	Women's Living Hinduism and Islam Project (WLHIP)	GRRRI (University of Notre Dame Inter. Collaboration Grant to Anjana Narayan, Associate Professor of Sociology at California State Polytechnic University Pomona, US	Jointly

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teacher and students of the Department.

Not applicable

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Name	Academic Distinction achieved
Asha Mukherjee	Visiting Professor, Center for Philosophy, Jawaharlal Nehru University, Delhi Sept.-Oct. 2016
Md. Sirajul Islam	Received 2016 Peace & Sevaratna Gold Medal from International Buddhist organization SUSWM, India
Md. Sirajul Islam	Received Dr. B.R. Ambedkar Maha Prajna Award on 13 May 2016 organized by Siddhartha Mission, an International Buddhist Association in collaboration with Thailand, Sri Lanka, Bhutan, Mongolia, Japan, Bangladesh and Indian Buddhist Associations at Chinar Park, Kolkata.
Md. Sirajul Islam	Become Ambassador, Parliament of World's Religion, Chicago, USA. for consecutive 3 years.
Md. Sirajul Islam	Delivered endowment lecture on Vedanta and Sufism and Its Relevancy in the Present World organized by the Ashoknath-Gourinath Samity, Kolkata and presided by Hon'ble Justice Shyamal Sen, former Governor of West Bengal on 2nd April, 2017 at Vivekananda hall, Maniktala, Kolkata.
Md. Sirajul Islam	Attended UNESCO organized Teachers' Training Course on Ethics at IKIM, Kulala Lumpur; Malaysia held in November 7-11, 2016 and presented paper on the Necessity of Ethics in the Age of Science.
Md. Sirajul Islam	Delivered UNESCO lecture on Islamic Messages of Unity and Peace towards the Mankind Organized by Prof. R. Chakraborty, Institute of Culture, Ramakrishna Mission, Golpark, and Kolkata 29th April, 2016.
Md. Sirajul Islam	Organized Three Day National Seminar sponsored by ICPR, New Delhi at Lucknow centre of ICPR, Lucknow on Sufism held on 3-5 October, 2016.
Md. Sirajul Islam	Co-ordinator collaborative International Seminar on Learning to be Human for Global Times and the Human Predicament held on 1-2, January, 2017 at Visva-Bharati, Santiniketan in collaboration of CRVP, Washington, D.C.USA.

Publication within the year April 2004 - March 2005

i) Text books ii) Other books iii) Monographs iv) Research Papers. (Author(s), title of the Paper, year, Journal, volume no., Pages), v) Number of Paper published in Peer/reviewed journals: National/International.

Author	Nature of the work	Title of the work	Journal/Publisher	Whether	Year	Vol.Pages
Asha Mukherjee	Edited Vol.	<i>Feminism in India</i>	<i>Labrys</i> special Vol. Brazil www.labrys.net.br labrys.net.br (<i>Labrys, feminist studies</i> ISSN:1676-9651	Yes	2016	Vol. No.28
Asha Mukherjee	Edited Vol.	<i>Academic Study of Religion in Asia</i>	special volume of <i>Argument-Biannual Journal, Cracow University, Poland</i>	Yes	2016	Vol.6.1 Jointly with AkeSander Sept. 2016
Asha Mukherjee	Paper	"Globalization Dynamics and the East-West Dichotomy	in <i>Warp and Rage of Religion</i> Eds. Daniel Enstedt, Goran Lason and Ferdinando Sardella, LIR, (Sweden)		2016	pp79-97
Asha Mukherjee	Paper	"Comparative Religion as an Academic Study in Contemporary	in <i>Argument, Biannual, Journal, Cracow University, Poland</i>	Yes	2016	Vol.6.1

Designing New Course/Curriculum or any other teaching innovation introduced by the Department Undergraduate CBCS syllabuses has been framed and introduced. New revised syllabuses for postgraduate courses has been introduced.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The conceptual foundation of the present-day Department of Philosophy and Religion was laid as early as in July 1919 when Visva-Bharati was inaugurated as the unique home for all cultures. The programme offered by what was then the Department of Higher Studies included provision for study and research in various aspects of Dharma-Shastra, Purana and Hindu Religion. With Visva-Bharati becoming a registered public body and adopting a constitution of its own on 23rd December, 1921, the Department of Higher Studies, then renamed Utttar Vibhaga, expanded its academic programme by including Philosophy as an independent area of study besides Logic, Nyaya and Vedanta (Upanisads). The study-cum-research programme in philosophical subjects received a fresh impetus when the academic wing of Visva-Bharati was reconstructed in 1926. The erstwhile study-cum-research centre was then transformed into a full-fledged School of Research called Vidya-Bhavana. This institute of higher studies and research soon made available facilities for original research in a number of philosophical areas such as Buddhism, Jainism and Indian Mysticism. The years that followed were marked by high-quality research activities in Philosophy with the participation of scholars like Muni Jui (Jainism), Brahmachari Govinda, a German Buddhist monk (Buddhist Studies), Professor C.L. Fabri, a Hungarian Sanskrit Scholar, Countess Hamilton (Indian Philosophy), and Professor Phanibhusan Adhikari (Indian Philosophy).

Yet another change took place in 1951 when Visva-Bharati became a Central University by an Act of Parliament. As the curriculum, teaching and examination-system of the University began to assume the form prevalent in other universities in the country, Vidya-Bhavana, originally a School of Research, had to start Undergraduate and Postgraduate courses in a number of subjects including Philosophy and Comparative Religion. That was how today's Department of Philosophy and

Religion came into being.

In April, 1964, the Department was converted into a Centre of Advanced Study in Philosophy. The Centre was designed to promote higher studies and research in metaphysics in collaboration with scholars from other universities in and outside the country. The scheme of research to be followed in the Centre was formulated by the University Grants Commission in the following way:

[i] To inquire into the rationale of the current anti-metaphysical movements, [ii] to reconstruct metaphysics in the light of the charges brought against it by anti-metaphysical thinkers and [iii] to see how far the modern anti-metaphysical thinkers' re-orientation of Ethics, Aesthetics and Religion is tenable.

The scholars working in the Centre had an extensive choice of subjects ranging from problems of perception to problems of Religion. The visiting fellows at the Centre from abroad included such eminent figures as Professor H.D. Lewis, Professor John Hick, Professor George Burch and Professor W.H. Walsh. The first director of the Centre was Professor Kalidas Bhattacharya, an eminent philosopher himself.

The Department received Special Assistance Programme for 5 years from 1985 to 1990. One of the principal aims of the Department is the establishment of effective communication between the scholars of the Department and the others outside. This communication has been established through International and national Seminars organized by the Department and also through the work of visiting fellows.

At present the Department offers courses both in Philosophy and Comparative Religion, each covering Under Graduate, Post Graduate and Doctoral Programme.

The Department offers a one-year Foreign Casual Course in Indian Philosophy.

The Department has a well-organized library located in Darshan Sadan itself. Its holdings reach over 13000 volumes, with an additional extensive collection of back-issues of different international Journals. Besides a number of foreign periodicals are received regularly. The collection of books on Religion alongwith texts written in Sanskrit, Pali, Prakrit, Chinese and Tibetan are housed in the Central Library of the University.

Future Plan

The Department is now preparing itself for running UGC-assistance programme in the form of SAP or CAS.

Planning for introduction of M.Phil. Course.

Revival of publication of the bi-annual departmental Journal of its own, called The Visva-Bharati Journal of Philosophy, thirty-five Volumes of which have already been published.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The Department has a well-organized library located in Darshan Sadan itself. Its holdings reach over 13500 volumes, with an additional extensive collection of back-issues of different international Journals. Besides a number of foreign periodicals are received regularly. The collection of books on Religion alongwith texts written in Sanskrit, Pali, Prakrit, Chinese and Tibetan are housed in the Central Library of the University.

SIKSHA-BHAVANA

(Institute of Science)

This year Siksha-Bhavana has completed fifty years of post-graduate teaching in science. Siksha-Bhavana (Institute of Science) now comprises eleven constituents: nine Departments (Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Sciences, Biotechnology and Environmental Studies) and two Centers (Integrated Science Education & Research and Centre for Mathematics Education) where both teaching and research programmes are running leading to award of B.Sc. (Hons.), M.Sc., Integrated M.Sc., and Ph.D. degrees. Over this period of time, this Bhavana has made remarkable strides in both teaching and research, and has generated scientific awareness among the surrounding populace in consonance with the ideas of Gurudev Rabindranath Tagore, through its extension programmes. Interdisciplinary programmes of teaching and research have been developed and the institute has produced excellent graduates who are serving the society through their work in prestigious universities, institutions and organizations in various regions of the country and abroad. All the departments and centers are doing commendable work with motivation for excellence in developing new courses and in initiating novel fields of research. Five departments, Physics, Chemistry, Mathematics, Zoology and Botany have already received the recognition from the Department of Science & Technology, Govt. of India in the form of FIST grants. The Departments of Mathematics, Chemistry and Botany have been awarded Special Assistance Programme (DRS) from UGC. The Department of Zoology has been awarded Centre for Advanced Study (CAS) from the UGC. The M.Sc. programme of the Centre for Biotechnology is supported by the Department Biotechnology, Govt. of India and students admitted to this course are those qualified through the All India Entrance Examination conducted by JNU, New Delhi. These students also get a monthly stipend of Rs. 3000/-. The Five Year Integrated M.Sc. Course in Science (Physical Science and Life Science) initiated in the academic session 2009-2010, intended for attracting highly motivated and talented students to research and education in basic sciences, is currently running successfully. The students are admitted in this course through National Entrance Screening Test (NEST) and are awarded scholarship Rs.5,000/- p.m. under the INSPIRE Programme of DST, Govt. of India.

DEPARTMENT OF PHYSICS

Name of the Department and detailed information

The Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. Honours level. Subsequently, the M.Sc. Teaching programme was started in 1968 along with the efforts to develop research facilities in Physics. Initially the Department laid more emphasis on theoretical research due to its constraints. Gradually, with the support from different funding agencies, research works on theoretical as well as experimental physics had been started on a wide range of fields. Presently, in theoretical physics the faculty members are working on particle physics, scattering theory, condensed matter physics and nanomaterials, super symmetric quantum mechanics, quantum optics, lattice dynamics, astrophysics, cosmology, mathematical physics etc. The areas covered by experimental research are microwave electronics, nuclear physics, radiation physics, condensed matter physics using nuclear techniques, nanoscience, molecular magnetism, Raman spectroscopy, particle physics, etc.

Several research projects are being carried out with support from different funding agencies, e.g., DST, DAE, AERB, UGC, CSIR, UGC-DAE CSR, Kolkata, IUAC, New Delhi etc. In addition, experimental works using the major accelerator facilities at VECC, NSC, TIFR, Microton Centre, Mangalore and LHC at CERN are also going on. The Department has recently procured an X-Ray powder Diffractometer-(Rigaku D/Max Ultima IV Automatic high resolution type) under DST-FIST programme. The Department has developed a High End Computing Facility under DST-FIST programme.

The Department is an associate centre of the Theoretical Physics Seminar Circuit (TPSC). Members of the faculty have research collaborations with institutions within India and abroad and eminent scientists from our country and abroad regularly visit this department. The Department has been taking an active role in the curricular development at both the P.G. and U.G. Level. Presently the Department is offering six special papers (Condensed Matter Physics, Particle Physics, Electronics, Quantum Electronics, Astrophysics & Cosmology and Nuclear Physics) at the Post-Graduate level. The 'Computer Applications' courses to the Under-Graduate as well as Post-Graduate students have been in effect since 1987 as knowledge in Computational Physics is now-a-days considered an essential ingredient of a Physics Curriculum. Students are trained in such a way that they can cope with their future requirements after passing out of the P.G. Level.

Name of the students qualified in UGC / CSIR / NET / SLET / JEST / GATE Examinations.

CSIR-UGC NET June, 2016

1. Arnab Roy (JRF)
2. Upala Mukhopadhyay (JRF)
3. Alok Kumar Das (JRF)
4. Shanwlee Sow Mondal (JRF)
5. Puspendu Roy (JRF)
6. Jaydeep Kumar Basak (LS)

JEST 2017

1. Arnab Roy

2. Gurupada Ghorai
3. Jaydeep Kumar Basak

GATE 2017

1. Arnab Roy
2. Alok Kumar Das
3. Amartya Thakur
4. Upala Mukhopadhyay
5. Paramesh Chandra
6. Surajit Goldar
7. Chayan Purkait
8. Suwendu Ghosh
9. Jaydeep Kumar Basak

Departmental Seminar / Symposia

TCGCA-ER6 Meeting: 6th Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics (Eastern Region) was held at the Department of Physics, Visva-Bharati, Santiniketan on September 24, 2016.

Convenor : Dr. Sudipta Das

Seminar: "Journey of Binary Black Holes: From Supercomputer to LIGO to Universe" Speaker: Karan Jani, Georgia Institute of Technology, USA

5th August, 2016

Seminar: "The information hidden in the cosmic microwave background spectral distortions in Planck maps and beyond"

Speaker: Rishi Khatri, Department of Theoretical Physics, TIFR, Mumbai 5th January, 2017

TPSC Seminar: "Low Energy Intraband Plasmons and Electron Energy Loss Spectra of Single and Multilayered Graphene"

Speaker: Prof. Shyamalendu Bose, Department of Physics, Drexel University, Philadelphia

21st January 2017

TPSC Seminar: "Molecular electronics: Beginning of an era"

Speaker: Dr. Santanu Maiti, Department of Physics, Indian Statistical Institute, Kolkata 17th March 2017

Seminar " Low pT Charged Particles - A Probe for New Physics Searches at the LHC "

Speaker: Dr. Amit Chakraborty, High Energy Accelerator Organization (KEK), Japan

18th March, 2017

TPSC Seminar: "Nonlinear soliton dynamics in super continuum generation and Dirac mode guidance in Photonic Crystal Fibre"

Speaker: Prof. Shyamal Kumar Bhadra, Emeritus Scientist, Raman Centre for Atomic, Molecular and Optical Sciences, IACS, Kolkata

24th March, 2017

National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by teachers / Research Scholar in detail.

1. Bratati Das and Anubha Dey - Research Scholars under Prof. A. Bhattacharjee presented

papers at 24th West Bengal Science & Technology Congress, 7-8 Nov, 2016, Bankura, WB

2. Tanmay Sarkar - Research Scholar under Prof. M. Maity participated in the "Third Asia-Europe-Pacific School of High-Energy Physics", Beijing, China 12 - 25 October 2016.

and presented a poster "Hadronic Event Shape Variables pp Collisions at $\sqrt{s} = 13$ TeV".

3. Amit Kumar Mondal - Research Scholar under Dr A. Chakraborty delivered an oral presentation at the 61st DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata during December 05 -09, 2016.

4. S. Rai - Research Scholar under Dr B. Mukherjee presented paper at the 61st DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata during December 05 -09, 2016.

5. Md. Amir Sohel, Research Scholar under Prof. A.Sen Gupta presented a paper at the Third International Conference, "Kathmandu Symposia on Advanced Materials (KaSAM-2016)", held during 17-20th October, 2016, Pokhara, Nepal.

S. Chakrabarty

Delivered a series of invited lectures on Nuclear Mean Field Theory and Neutron Stars at the Centre for Nuclear Theory, Variable Energy Cyclotron Centre, Kolkata. March 01-11, 2017

S. Mandal

Delivered an invited talk and chaired one session in the national conference "Role of Optics and Philosophy in Environment Protection ROPER 2016)", October 01-02, 2016, Women's' College, Tinsukia, Assam.

P.K. Ghosh

1. Delivered an invited lecture at the Institute of Physics, Bhubaneswar, September, 2016, in the academic session of the Alumni Day celebration.

2. Delivered an invited lecture at the Indian Institute of Technology, Kanpur, December, 2016.

S. Sil

1. Delivered a set of six lectures in Winter School on Condensed Matter Physics held at Indian Statistical Institute Kolkata during January 11-22, 2016.

2. Delivered an invited talk on Modern Trends of Condensed Matter Physics, held at S. N. Bose National Centre for Basic Science, Salt Lake, Kolkata during March 11-12, 2016

3. Delivered an Invited talk in National Conference on Condensed Matter Physics, held at Indian Statistical Institute, Kolkata during February 2-3, 2017.

B. Pandey

1. Delivered a seminar titled "Measuring bias and non-Gaussianity with information entropy" on October 20, 2016 at the Centre of Theoretical Studies (CTS), IIT, Kharagpur.

2. Delivered a plenary talk entitled "An information theory based search for homogeneity and isotropy in the Universe" in the 35th Meeting of the Astronomical Society of India held at Jaipur, Rajasthan during 6th to 10th March, 2017

3. Chaired a session on General Relativity and Cosmology in the 35th Meeting of the Astronomical Society of India held at Jaipur, Rajasthan during 6th to 10th March, 2017

4. Delivered a plenary talk entitled "An information theory based search for homogeneity and isotropy in the Universe" in the 35th Meeting of the Astronomical Society of India held at Jaipur, Rajasthan during 6th to 10th March, 2017

5. Participated in the 6th Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics (TCGCA-ER6) held at Visva-Bharati, Santiniketan on 24th September, 2016.

A. Bandyopadhyay:

Participated in the UGC sponsored national conference on "The Central Role of Light in Science and the Importance of Optical Technology CRLSIOT 2016" 15th - 16th December 2016, Department of Physics, St. Paul's Cathedral Mission College, Kolkata 700 009, in collaboration with Calcutta Institute of Theoretical Physics, 4/1 Mohan Bagan Lane, Kolkata 700 004.

S. Das:

1. Participated in the TCGCA-ER6 Meeting : 6th Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics (Eastern Region) held at Department of Physics, Visva-Bharati, Santiniketan on September 24, 2016.

2. Participated in the III Saha Theory Workshop : Aspects of Early Universe Cosmology held at Saha Institute of Nuclear Physics, Kolkata during January 16 - 20, 2017.

B. Mukherjee:

1. Participated in the AUC workshop at IUAC, New Delhi during 6-7 July 2016

2. Participated in the AUC workshop at IUAC, New Delhi during 16-18 December 2016

3. Participated in the IUAC Experiment during 28th July to 2nd August 2016 for PhD Student

4. Participated in the Workshop on isomer studies at the focal plane of HYRA, IUAC, New Delhi on 19th September 2016.

5. Participated in the Workshop on the "National Foundation for Communal Harmony for Teachers" organized by UGC Human resource Development Centre, the University of Burdwan during 23rd June 2016 to 29th June 2016.

6. Delivered an invited talk on "Spectroscopy of 201,203At isomers using HYRA-INGA" at the workshop on 'Isomer Studies at the focal plane of HYRA', IUAC, New Delhi on 19th September 2016.

7. Delivered an invited talk on "Spectroscopy of 199,201,203At nuclei" at 61st AUC workshop at IUAC New Delhi on 18th December 2016

Dr. S. Roy:

1. Participated in the 1st Regional Science and Technology Congress, 2016 held during 7th - 8th November, 2016 at Bankura Christian College (Jointly organized by DST, Government of West Bengal and Bankura Christian College)

2. Visited CERN, Geneva for collaborative research work from 13th February, 2017 to 4th March, 2017.

A. Chakraborty

1. Participated in the Joint ICTP-IAEA Workshop on Nuclear Structure and Decay Data: Experiment, Theory and Evaluation held at ICTP, Trieste, Italy during 22 August - 2 September, 2016.

2. Delivered an invited talk at the 61st DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata during 5 - 9 December, 2016

3. Participated in the two-day workshop on Research Methodology organized by Visva-Bharati Library Network, Visva-Bharati during 27 - 28 March, 2017

Ongoing Research Projects in the Department.

T. Chattopadhyay

A CSIR funded project on optical communications was completed on May, 2016 after 3 years duration.

Project title: "Synchronized laser response to intensity and frequency/phase modulated light waves".

M. Maity

Name of the Project: Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization

Sponsoring Agency: DST, Government of India

Sanctioned Amount: Rs. 210 lakhs, August, 2014 - March 2019

Name of the Project: Updating and operation of Regional WLCG Grid System

Sponsoring Agency: DST, Government of India

Sanctioned Amount: Rs. 26.80 lakhs, September, 2014 - March, 2019

S. Mandal

Name of the project: Dynamics of ion in Paul trap: Effects of micro motion,

Sponsoring Agency: CSIR, India.

Amount Sanctioned: Rs. 13,42,000 for three years.

Name of the project: Velocity selective coherent population trapping of multilevel atomic systems.

Sponsoring Agency: UGC, India.

Amount Sanctioned: Rs. 15,00,000 for three years

A. Sengupta:

Name of the Project: "Investigation of Physical aging in High Tg Polymers by the combination of PSPLS & DSC methods"

Funding agency: Science & Engineering Research Board of DST, Government of India
Sanction Order No.: SB/S2/CMP-027/2014 for three years

A. Bhattacharjee

Name of the Project: 'Study of Kinetics of Thermal Decomposition of some Molecular and Metallocene Precursors leading to Nano-Scale Metal-Oxides'.

Sanctioned Amount: Rs 22 Lacs for one TG- DSC Set-up, funded by DST-FIST Program to the Department of Physics; July,2011 - June 2016

P.K. Ghosh

Name of the Project : Physics and Mathematics of PT-symmetric systems

Sponsoring Agency: SERC, DST, Government of India for the period 2013-2016

Sanctioned Amount : Rs. 13, 44, 000

S.K. Mandal

Project entitled "Switching of spin-states in spin-crossover molecular thin films", funded by CSIR, Government of India, New Delhi.

Dr. B. Mukherjee

Name of the Project: Spectroscopy and Lifetime measurement in nuclei of mass region 70 (PhD beam time project of Arindam Biswas at IUAC)

Sponsoring Agency: IUAC, New Delhi

Date of commencement: 28th February 2015

Name of the Project: Gamma spectroscopic study in A~60 mass region (PhD beam time project of Siddarth Rai at IUAC)

Sponsoring Agency: IUAC, New Delhi

Name of the Project: Measuring prompt proton decays using Silicon Strip Detectors

Sponsoring Agency: SERB, DST, New Delhi

Date of Commencement: 24/11/2015

Duration: for three years

Amount Sanctioned: 43 lakhs [Proj. Ref. No. EMR/2015/000891

Name of the Project: Isomer studies in transactinidenuclei (PhD beam time project of UdaySankarGhosh at IUAC)

Sponsoring Agency: IUAC, New Delhi

Date of commencement: 11th January 2017

B. Pandey

Project title: Galaxy formation and evolution in the filamentary CosmicWeb : Exploration and Analysis of the Sloan Digital Sky Survey Final Data Release Twelve (SDSS DR12)

Funding Agency: Science and Engineering Research Board (SERB)

Project code: EMR/2015/001037

Sanctioned Amount: 25 Lacs

Duration: 3 years

A. Bandyopadhyay

UGC sponsored major research project: Effect of coherent radiation fields on the transparency of alkali atomic vapour medium (F. No. - 43-527/2014(SR), dated 28th September 2015). Project cost - Rs. 14,04,500/-.

A DST- SERB sponsored research project (under young scientists scheme) was completed on 30th September, 2016.

Name of the Project: "Manipulation of population in an atomic vapour system through coherent laser beams"

Sanction order no. SR/FTP/PS-079/2010, dated-14/08/2013

Sanctioned amount-23.10 lakhs.

A. Chakraborty

Name of the project: "Search for Non-yrast Collective States in ^{150}Nd "

Sponsoring Agency: UGC-DAE Consortium for Scientific Research, Kolkata Centre (Project No.: UGC-DAE-CSR- KC/CRS/13/NP04/02)

Amount Sanctioned: Fellowship for one Project Fellow plus consolidated INR 45,000/- per year for 3 years.

Name of the project: "Revisiting High Spin Level Structure of Nuclei around $A \sim 150$ region: Issues of Octupole Oscillations and Deformations"

Sponsoring Agency: IUAC, New Delhi (Project Code No.: UFR - 56317)

Amount Sanctioned: Fellowship for one JRF plus consolidated INR 25,000/- per year for 3 years.

Extension activities / NSS / Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

7. Academic distinctions gained by the Teachers / Scholars or the Department as a whole (Like recognition as a D.S.A or C.A.S. etc.)

S. Chakrabarty

Reviewers of National / International Journal papers:

Pramana

Indian Journal of Physics

Astrophysics and Space Science

Physics Letters A

European Physical Journal A

External Member of Board of Studies, Department of Physics, Burdwan University

External Member of Board of Research Studies, Department of Physics, Burdwan University

External Member of Board of Studies, Department of Physics, Panchana Barma University.

T. Chattopadhyay

Reviewers of International Journal papers:

1. Photonics Technology Letters, IEEE(USA)

2. Elsevier Journals

3. Electronics Letters,

4. IET(UK).

Membership

1. Senior member of IEEE (USA).

2. Fellow of IETE (India)

S. Mandal

Associateship at University of LaPlata, Buenos Aires, Argentina under TWAS-UNESCO program for three years (2016-18).

Reviewer of Journals

1. International Journal of theoretical physics,

2. Modern Physics Letters B

3. Physics Letters A

4. NANO Convergence

A. Bhattacharjee

Editorial Board Member, Current Smart Materials.

Reviewer of Journals

1. Current Smart Materials
2. Journal of Applied Physics
3. Materials Chemistry & Physics
4. International Journal of Chemical Kinetics

B.C. Gupta

Reviewer of Journals

1. Physical Review B
2. Solid State Physics
3. Physics Letters A
4. Physica Status Solidi B

Recognition: Adjunct Professor, University of Illinois at Chicago, USA.

S. K. Mandal

Reviewer to American Chemical Society (ACS) and other International Journals.

R. K. Singha

Reviewer of journal: "Journal of Materials Science: Materials in Electronics", Springer.

S. Das

Reviewer of journals : (i) International Journal of Theoretical Physics (IJTP)

(ii) New Astronomy (www.elsevier.com/locate/newast)

(iii) Pramana

Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics for a period of 3 years from August 1, 2014.

B. Pandey

Reviewer:

Monthly Notices of the Royal Astronomical Society, Journal of Astrophysics and Astronomy, Astrophysics & Space Science, Publications of the Astronomical Society of Australia

B. Mukherjee

Reviewer

Proceedings of the National Academy of Sciences, India Section A:

Physical Sciences (Springer)

Book Publication within the year April 2015 - March 2016

Publication in refereed journals within the year April 2016 - March 2017.

T. Chattopadhyay

1. M. Chakraborty and T. Chattopadhyay, "A scheme for UDWDM-PON broadband access network using a mode-locked laser diode and optical injection locking", Journal of Optical Communications, (Germany), 2017, published online, DOI: 10.1515/joc-2017-0019.

2. M. Chakraborty and T. Chattopadhyay, "Optical modulation enhancement through CW injection

locking of a sinusoidally modulated Fabry-Perot laser diode", *Journal of Optical Communications*, (Germany), 2017, published online, DOI: 10.1515/joc-2016-0157.

3. T. Chattopadhyay, P. Bhattacharyya and C. Ghosh, "Third order dispersion and pulse compression in an optical time lens," *Journal of Optics (Springer)*, Published online August 2016, DOI: 10.1007/s12596-016-0361-2.

4. T. Chattopadhyay, P. Bhattacharyya, C Ghosh, "Conservation of AM index of a rf subcarrier in IM-DD optical link," *Optik-International Journal for Light and Electron Optics*, 127 (13), 5448-5451, 2016.

5. T. Chattopadhyay, P. Bhattacharyya, "Linewidth Enhancement Factor and Amplification of Angle-Modulated Optical Signals in Injection-Locked Quantum Cascade Lasers," *Journal of Optical Communications*, (Germany), 37 (1), 23-30, 2016. (DOI: 10.1515/joc-2015-0009).

6. C. Ghosh and T. Chattopadhyay, "Efficient FM-IM Conversion in an injection-locked Fabry-Perot laser diode," *International Journal of Electronics and Communication Engineering & Technology (IJECET)*, vol. 7, no. 2, March-April 2016, pp. 33-40, 2016. IAEME Publication.

7. S. K. Dawn and T. Chattopadhyay, "An active, tracking microwave notch filter using a pair of Gunn oscillators," *International Journal of Microwave Engineering (JMICO)*, vol.1, no. 3, pp.11-17, July 2016.

8. T. Chattopadhyay, P. Bhattacharyya, S. K. Dawn, "Frequency tuning of an active, microwave bandpass filter by a monotone microwave carrier," *International Journal of Electronics Letters*, Taylor and Francis (London), pp. 1-9, 2016. (DOI: 10.1080/21681724.2016.1175673).

9. T. Chattopadhyay, P. Bhattacharyya, "Effect of co-channel monotone interference on a passive hybrid-tee microwave discriminator," *International Journal of Electronics Letters*, Taylor and Francis (London), 4 (2), 158-165, 2016.

10. Santosh Kumar Dawn and Taraprasad Chattopadhyay, "Unilaterally injection-locked Gunn oscillator pair acting as a microwave active notch filter," *International Journal of Electronics and Communication Engineering & Technology (IJECET)*, vol. 7, no. 2, March-April 2016, pp. 25-32, 2016, IAEME Publication.

A. Sengupta

1. "High energy oxygen irradiation-induced defects in Fe-doped semi-insulating indium phosphide by positron annihilation technique", Sandip Pan, Arunava Mandal, Md. Amir Sohel, A. K. Saha, D. Das, A. Sengupta, *International Journal of Modern Physics B*, 30 (2016), 1750019 (9 pages)

2. "DSC reveals variation in free water molecules in water ethanol solution exposed to x-rays and magnetic field" Atheni Konar, Tandra Sarkar, N. C. Sukul, Md. Amir Sohel, Abhijit Mondal, Asmita Sengupta, *Clinical and Experimental Homeopathy*, January 2017; 4: 1: 2017: 50-78.

3. "Drugs at Ultra High Dilution Induce Changes in Enthalpy Associated with the Loss of Water of Crystallization in Lactose", Atheni Konar, Tandra Sarkar, N. C. Sukul, Md Amir Sohel, Asmita Sengupta, *Environment & Ecology*, 35 (B), 554-557. Jan. - Mar., 2017

4. "Thermal Analysis of ABS/PA6 Polymer Blend Using Differential Scanning Calorimetry", Md. Amir Sohel, Arunava Mandal, Abhijit Mondal, Sandip Pan, Asmita Sengupta, Journal of Thermal Analysis and Calorimetry. DOI: 10.1007/s10973-017-6312-6, March, 2017

S. Chakrabarty

1. The Thomas-Fermi and the Thomas-Fermi-Dirac Models in Two-Dimension- the Effect of Strong Quantizing Magnetic Field, Sanchari De and Somenath Chakrabarty, EPJD (2017) 71:5, DOI: 10.1140/epjd/e2016-70295-1

2. Saha Equation in Rindler Space, Sanchari De and Somenath Chakrabarty, Pramana Jour. Phys., (2017) 88:89. DOI 10.1007/s12043-017-1421-0

3. Some Theoretical Aspects of Quantum Mechanical Equations in Rindler Space, Soma Mitra and Somenath Chakrabarty, EPJ Plus, 71, 5, 2017.

S. Mandal

1. Non classical properties of coherent light in a pair of coupled anharmonic oscillators, Nasir Alam and Swapan Mandal, Optics Communications, Vol. 359, 221-33 (2016).

2. On the quantum phase fluctuations of coherent light coupled to a degenerate parametric amplifier, Mohosin Alam, Swapan Mandal and Mohamed Ridza Wahiddin, Optik - International Journal for Light and Electron Optics, Vol.127, 2988-91 (2016).

3. On the quantum phase fluctuations of coherent light in a chain of two anharmonic oscillators coupled through a linear one, Nasir Alam and Swapan Mandal, Optics Communications, Vol. 366, 340-48 (2016).

4. Derivation of multi-photon anharmonic oscillator model from its classical counterpart, Swapan Mandal, Optik - International Journal for Light and Electron Optics, Vol.127, 10042-48 (2016).

5. Classical and quantum harmonic oscillators with time dependent mass and frequency: A new class of exactly solvable model, Swapan Mandal, Optics Communications, Vol. 386, 37-42 (2017).

6. Quantum phase fluctuations of coherent and thermal light coupled to an anharmonic degenerate parametric oscillator beyond rotating wave approximation, Mohosin Alam, Swapan Mandal and Mohamed Ridza Wahiddin, Optics Communications, Vol. 398, 1-11 (2017).

A. Bhattacharjee

1. Bhattacharjee, A., 'A Legendary Molecular Magnetic System: A[M(II)M(III)(C₂O₄)₃]' Current Inorganic Chemistry 6 (2017) 162-180.

2. Bhattacharjee, A., Sugimoto, M., Nakazawa, Y., Goodwin, H. A., "Pressure-Induced High Spin-Low Spin State Switching in [Fe(bpp)₂](NCS)₂.2H₂O" Current Smart Materials 2 (2017) 3-13.

3. Rooj, A., Roy, M., Bhattacharjee, A., Kinetic Analysis of Thermal Decomposition Reaction of Ferrocene in Presence of Oxalic Acid. Int. J. Chem. Kinetics 49 (2017) 319-332.

4. Roy, D., Roy, M., Zubko, M., Kusz, J., Bhattacharjee, A., "Solid State Thermal Reaction of a Molecular Material and Solventless Synthesis of Iron Oxide" Int. J. Thermophysics 37 (2016) 93-117.

5. Mandal, H., Bhattacharjee, A., Roy, M., Kusz, J., Zubko, M., "Physical characterization of tea dusts and its' sources of magnetism", BOAJ-Physics 1 (2016) 1 - 8.

M. Maity

1. Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV, CMS Collaboration, JHEP 03 (2017) 162
2. Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV, CMS Collaboration, Phys. Rev. D 95, 092001 (2017)
3. Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s}=13$ TeV, CMS Collaboration, Phys. Rev. D 95 (2017) 012011
4. Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s}=13$ TeV, CMS Collaboration, EPJC 76 (2016) 439

P.K. Ghosh

Debdip Sinha and Pijush K. Ghosh, Integrable nonlocal vector nonlinear Schrödinger equation with self-induced parity-time-symmetric potential, Physics Lett. A 381 (2017) 124 (doi:10.1016/j.physleta.2016.11.002)

S. Sil

1. "Persistent current in a correlated quantum ring with electron-phonon interaction in presence of Rashba interaction and Aharonov-Bohm flux", P. J. Manisha, I. V. Sankar, Shreekantha Sil and Ashok Chatterjee Scientific Reports (Nature publications) {vol 6} 20056 (2016).
2. "Phase controlled metal insulator transition in multi-leg quasi periodic optical lattice", Santanu Maiti, Shreekantha Sil and Arunava Chakrabarti Annals of Physics {vol 382} 150 (2017)

B. C. Gupta

1. "Properties of armchair ZnTe nanotubes: A density functional study" by Monoj Das and Bikash C. Gupta, Computational Material Science, 112, 1, (2016).
2. "Structural and electrical properties of selenium nanotubes" by Prajna Mukherjee, Shyamal Konar and Bikash C. Gupta, Phys. Letters A 380, 238 (2016).
3. "Magnetic properties of bimetallic clusters composed of Gd and transition metals" by Prajna Mukherjee, Bikash C. Gupta and Puru Jena, J. Applied Phys. Vol: 119, 074301 (2016).
4. "Kramers turnover phenomenon in the spatial diffusion region" by Shrabani Mondal, Bikash Chandra Gupta and Bidhan Bag, J. Stat. Mech.: Theory and Experiment, Vol: 2016, 013204 (2016).

S. K. Mandal

Electrically controllable molecular spin crossover switching in Fe(phen)₂(NCS)₂ thin film, Chaitali Mondal and Swapan K. Mandal, Eur. Phys. J. Appl. Phys. 75, 30201 (2016).

B. Pandey

1. Can anisotropy in the galaxy distribution tell the bias? Biswajit Pandey, 2017, Monthly Notices of the Royal Astronomical Society, 469, 1861
2. Testing isotropy in the Two Micron All-Sky redshift survey with information entropy, Biswajit Pandey, 2017, Monthly Notices of the Royal Astronomical Society, 468, 1953
3. How much a galaxy knows about its large-scale environment?: An information theoretic perspective, Biswajit Pandey, Suman Sarkar, 2017, Monthly Notices of the Royal Astronomical Society Letters, 467, L6

4. An information theory based search for homogeneity on the largest accessible scale, Suman Sarkar, Biswajit Pandey, 2016, Monthly Notices of the Royal Astronomical Society Letters, 463, L12
5. Relating information entropy and mass variance to measure bias and non-Gaussianity, Biswajit Pandey, 2016, Monthly Notices of the Royal Astronomical Society, 463, 4239
6. A new method for testing isotropy with Shannon entropy, Biswajit Pandey, 2016, Monthly Notices of the Royal Astronomical Society, 462, 1630
7. Probing large scale homogeneity and periodicity in the LRG distribution using Shannon entropy, Biswajit Pandey, Suman Sarkar, 2016, Monthly Notices of the Royal Astronomical Society , 460, 1519

A. Bandyopadhyay

1. "Revisiting the four-level inverted-Y system under both Doppler-free and Doppler-broadened conditions: an analytical approach" by Arindam Ghosh, Khairul Islam, Dipankar Bhattacharyya and Amitava Bandyopadhyay, J. Phys. B: At. Mol. Opt. Phys, Vol 49, page 195401, 2016.
2. "Study on three level cascade system: a complete analytical approach" by Arindam Ghosh, Suman Mondal, Khairul Islam, Kalan Mal, Dipankar Bhattacharyya and Amitava Bandyopadhyay, Journal of Atomic, Molecular, Condensate & Nano Physics. Vol. 3, No. 2, pp. 97-104, 2016. ISSN 2349-2716 (online); 2349-6088 (print), Published by RGN Publications.
3. "A Study on Probe Transmission through an Inverted Y-type Atomic System in Presence of Three Coherent Laser Fields" by Arindam Ghosh, Khairul Islam, Suman Mondal, Dipankar Bhattacharyya and Amitava Bandyopadhyay, Journal of Atomic, Molecular, Condensate & Nano Physics. Vol. 3, No. 2, pp. 115-123, 2016. ISSN 2349-2716 (online); 2349-6088 (print), Published by RGN Publications.
4. "Formation of field induced absorption in the probe response signal of a four-level V type atomic system: a theoretical study" by Khairul Islam, Arindam Ghosh, Suman Mondal, Dipankar Bhattacharyya and Amitava Bandyopadhyay, International Journal of Advance Engineering and Research Development. Volume 3, Issue 6, June 2016. e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406.
5. "Effect of extra ground level on one photon induced transparency in a Doppler broadened V-type system" by Khairul Islam, Arindam Ghosh, Dipankar Bhattacharyya and Amitava Bandyopadhyay, International Journal of Applied Science and Technology Research Excellence, Vol. 6, Issue 2, Page 11, 2016.

S. Das

Constraints on reconstructed dark energy model from SN Ia and BAO/CMB observations Abdulla Al Mamon, Kazuharu Bamba and Sudipta Das Journal-ref: The European Physical Journal C, 77, 29 (2017) (arXiv: 1607.06631 [gr-qc])
Impact factor: 5.084

R. K. Singha

R.K. Singha, S. Manna, R. Bar, S. Das, S.K. Ray, "Surface potential, charging and local current

transport of individual Ge quantum dots grown by molecular beam epitaxy" *Applied Surface Science*, vol. 407, pp 418-426, 2017.

B. Mukherjee

S. Rai, B. Mukherjee, A. Biswas, "Nuclear structure of low lying states in 60,62,64,66 Zn - a shell model description", *International Journal of Modern Physics E*, Vol. 25, No. 11 (2016) 1650099 (14 pages)

A. Chakraborty

1. "Shape coexistence in 153Ho", D. Pramanik, S. Sarkar, M. Saha Sarkar, A. Bisoi, S. Ray, S. Dasgupta, A. Chakraborty, Krishichayan, R. Kshetri, I. Ray, S. Ganguly, M.K. Pradhan, M. Ray Basu, R. Raut, G. Ganguly, S.S. Ghugre, A.K. Sinha, S.K. Basu, S. Bhattacharya, A. Mukherjee, P. Banerjee, and A. Goswami, *Phys. Rev. C* 94 (2016) 024311
2. "E0 transitions in 106Pd: Implications for shape coexistence", E.E. Peters, F.M. Prados-Estevez, A. Chakraborty, M.G. Mynk, D. Bandyopadhyay, S.N. Choudry, B.P. Crider, P.E. Garrett, S.F. Hicks, A. Kumar, S.R. Leshner, C.J. McKay, J.N. Orce, M. Scheck, J.R. Vanhoy, J.L. Wood, and S.W. Yates, *Eur. Phys. J. A* (2016) 52: 96
3. "0+ states in 130,132Xe: A search for E(5) behavior", E.E. Peters, T.J. Ross, S.F. Ashley, A. Chakraborty, B.P. Crider, M.D. Hennek, S.H. Liu, M.T. McEllistrem, S. Mukhopadhyay, F.M. Prados-Estevez, A.P.D. Ramirez, J.S. Thrasher, and S.W. Yates, *Phys. Rev. C* 94 (2016) 024313
4. "Collective quadrupole behaviour in 106Pd", F.M. Prados-Estevez, E.E. Peters, A. Chakraborty, M.G. Mynk, D. Bandyopadhyay, N. Boukharouba, S.N. Choudry, B.P. Crider, P.E. Garrett, S.F. Hicks, A. Kumar, S.R. Leshner, C.J. McKay, M.T. McEllistrem, S. Mukhopadhyay, J.N. Orce, M. Scheck, J.R. Vanhoy, J.L. Wood, and S.W. Yates, *Phys. Rev. C* 95 (2017) 034328
5. "Nuclear structure of 76Ge from inelastic neutron scattering measurements and shell model calculations", S. Mukhopadhyay, B.P. Crider, B.A. Brown, S.F. Ashley, A. Chakraborty, A. Kumar, M.T. McEllistrem, E.E. Peters, F.M. Prados-Estevez, and S.W. Yates, *Phys. Rev. C* 95 (2017) 014327

Conference Proceedings:

T. Chattopadhyay

M. Chakraborty and T. Chattopadhyay, "High frequency reduction of frequency chirp of a directly modulated Fabry-Perot laser diode under low level light injection", National Symposium on Condensed Matter Physics with Laser Applications, The University of Burdwan, West Bengal, March 8-9, 2017.

A. Sengupta

"Calorimetric Analysis of Polypropylene/Polystyrene Polymer Blend Using DSC", Md. Amir Sohel, Arunava Mandal, Sandip Pan, Abhijit Mondal, Asmita Sengupta, 3rd International Conference on Kathmandu Symposia on Advanced Materials (KaSAM-2016), 17-20th October, 2016, Pokhara, Nepal.

A. Bandyopadhyay

1. 'Study on absorption characteristics of a probe beam passing through rubidium vapour cell:

Electromagnetically induced absorption to electromagnetically induced transparency' by Amitava Bandyopadhyay, Khairul Islam, Satyajit Saha, Sankar De and Dipankar Bhattacharyya, UGC sponsored national conference on "The Central Role of Light in Science and the Importance of Optical Technology CRLSIOT 2016" 15th - 16th December 2016, Department of Physics, St. Paul's Cathedral Mission College, Kolkata 700 009, in collaboration with Calcutta Institute of Theoretical Physics, 4/1 Mohan Bagan Lane, Kolkata 700 004.

2. 'Study of probe absorption in a four-level 'V' type system in presence of co-propagating pump field' by Khairul Islam, Suman Mondal, Arindam Ghosh, Dipankar Bhattacharyya and Amitava Bandyopadhyay, 25th DAE-BRNS National Laser Symposium, December 20-23, 2016, Department of Physics, School of Applied Science, KIIT University, Bhubaneswar, Odisha.

B. Mukherjee

"In-beam gamma ray spectroscopy of $^{63,64}\text{Cu}$ ", S.Rai, B. Mukherjee, A. Biswas et al., Proceedings of the DAE Symp.on Nucl. Phys. 61 (2016) 240

A. Chakraborty

1. "Nuclear Structure Studies using Fast Neutrons", Anagha Chakraborty, Proceedings of the DAE-BRNS Symp. On Nucl. Phys. 61 (2016) 7

2. "In-beam ray spectroscopy of $^{63,64}\text{Cu}$ ", S. Rai, B. Mukherjee, A. Biswas, U.S. Ghosh, A. Mondal, K. Mandal, A. Chakraborty, S. Chakraborty, A. Sharma, G. Mukherjee, S. Nandi, S.S. Bhattacharjee, I. Bala, R. Garg, S. Muralithar, and R.P.Singh, Proceedings of the DAE-BRNS Symp. On Nucl. Phys. 61 (2016) 240

3. "Investigation of High Spin Level Structure of ^{186}Pt ", A.K. Mondal, S. Mukhopadhyay, A. Chakraborty, D.C. Biswas, L.S. danu, B.N. Joshi, G.K. Prajapati, Somnath Nag, T.Trivedi, S. Saha, J. Sethi, R. Palit, and P.K. Joshi, Proceedings of the DAE-BRNS Symp. On Nucl. Phys. 61 (2016) 86

4. "Rigid Rotor Like Dipole Band Structure in ^{29}Al ", H. Sultana, R. Bhattacharjee, S.Samanta, S.K. Das, S.S. Bhattacharjee, A. Chakraborty, R. Chakrabarti, U. Garg, S.S. Ghugre, R. Raut, A.K. Sinha, T. Trivedi, S. Saha, J. Sethi, and R. Palit, Proceedings of the DAE-BRNS Symp. On Nucl. Phys. 61 (2016) 192

Designing New Courses / Curriculum or any other teaching innovations introduced by the Department.

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

Faculty members have started R&D for distributed DC power supply for particle detectors and frontend electronics for two large experiments - India-base Neutrino Observatory and CMS experiment at CERN. The system will have the following features - high modularity, control and monitoring at individual channel level, graphic user interface with intelligent trouble shooting and

warning. Faculty members and research staff visited the INO Centre at TIFR and CERN and a laboratory is being set up.

Particulars in details of the Departmental Library

- i. Area in (Sq. meter) quoted for the library: 600 sq. ft.
- ii. Is there separate provision for Reading Room: No.
- iii. Total No. of books: 2000 approx
- iv. Total Number of books purchased during the year: 100 approx
- v. Total Number of Periodicals: 10
- vi. Total Number of Periodicals purchased during the year: 10

DEPARTMENT OF CHEMISTRY

The Department of Chemistry has started its undergraduate programme in 1962 and postgraduate programme in 1969. During the course of time the Department has become one of the leading centre for Chemistry learning and research in our country. The students are performing excellently in national level examinations such as NET, GATE, JAM etc. The Department is actively engaged in research in the fields of Natural Products, Synthetic Organic Chemistry, Green Chemistry, Supramolecular Chemistry, Coordination Chemistry, Solution Chemistry, Biochemical Thermodynamics, Non-conventional energy sources, Analytical Chemistry, Theoretical & Computational Chemistry and Non-equilibrium Statistical mechanics. In this academic session, the Department has published about 120 papers in journals of National and International repute.

Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:

1. Ms. Pallavi Sarkar (NET & GATE)
2. Ms. Mrityika Mohor (NET)
3. Ms. Madhumita Bhar (NET)
4. Mr. Prodyut Roy (NET & GATE)
5. Mr. Sourav Pan (NET)
6. Mr. Biswanath Hansda (NET)
7. Ms. Sili Hansda (NET)
8. Ms. Rohini Saha (NET & GATE)
9. Mr. Sujit Kamilya (NET & GATE)
10. Ms. Madhumita Rano (NET & GATE)
11. Mr. Satyajit Majumder (NET & GATE)
12. Mr. Debashish Pal (NET)
13. Mr. Udayan Mandal (NET)
14. Mr. Bhagirath Mandal (NET)
15. Mr. Swapan Maity (GATE)
16. Ms. Tapasi Chand (GATE)
17. Mr. Bhaswata Bhattacharyya (NET & GATE)
18. Mr. Syed Pavel Afroj (NET & GATE)
19. Mr. Ayan Chatterjee (NET & GATE)
20. Ms. Oishika Jash (NET)
21. Mr. Priyabrata Das (GATE)
22. Mr. Dwaipayan Majumder (NET)
23. Mr. Suraj Mandal (NET)

GRE & TOEFL Qualified Students doing Ph. D. abroad:-

1. Mr. Arghya Pratim Ghosh, University of Louisville, USA
2. Mr. Arkajit Mandal, University of Rochester, USA
3. Ms. Sucharita Sarkar, University of Delaware, USA
4. Mr. Subhajit Pal, University of Fribourg, Switzerland

Departmental Seminars/Conferences/Workshops:

16th October 2017: Prof. Dipak Ranjan Mal, Professor, Dept. of Chemistry, Indian Institute of Technology, Kharagpur delivered a seminar lecture on "Newer methodologies in Total synthesis".

11th November 2017: Prof. A. Basak, Adjunct Professor, Interdisciplinary School of Health Science (ISHS), University of Ottawa, Canada delivered a seminar lecture on "ALZHEIMER'S DISEASE AND HUMAN DEMENTIA: WHAT DO WE LEARN FROM RESEARCH?".

23rd February 2017: Prof. Balaji Jagirdar, Department of Inorganic Chemistry, Indian Institute of Science, Bangalore delivered a seminar talk on "Approaches to sigma complexes via displacement of weak interactions".

25-26th March, 2017: A National Conference on "Recent Trends in Chemistry Research", Lectures were delivered by

1. Prof. S. Chandrasekaran, Indian Institute of Science, Bangalore.
2. Prof. A. Sundaresan, JNCSAR, Bangalore.
3. Prof. Samaresh Bhattacharya, Jadavpur University, Kolkata.
4. Prof. H. Ila, JNCSAR, Bangalore.
5. Prof. Brindaban C Ranu, IACS, Kolkata.
6. Dr. Parthasarathi Das, CSIR-IIIM, Jammu.
7. Prof. Mukul Lal, Syngenta, Goa
8. Prof. Debasish Koley, IISER, Kolkata.
9. Prof. S. Basu, SNIP., Kolkata
10. Prof. P. Maity, IIT BHU, Benaras.
11. Prof. P. Chowdhury, CU, Kolkata.
12. Dr. Biswjit Roy, Sikim University, Sikim.
13. Prof. Anunoy Samanta, Central University Of Hyderabad, Hyderabad
14. Dr. Sitaram Pal, Syngenta, Goa
15. Dr. Srijit Biswas, CBMR, Lucknow.
16. Dr. Joydev Laha, NIPER, Chandigarh
17. Dr. Sougata Pal, University of Gour Banga, Malda
18. Dr. Partha Mahato, Suri Vidyasagar College, Suri

4. National and International standard Conference/Seminar/Workshop/Exhibition etc.

5th January, 2017: 104th Indian Science Congress, SV University, Tirupati, 3-7 January, 2017; Prof. Goutam Brahmachari presented an invited talk on "Room-temperature organic transformations: An emerging and pragmatic trend in current green chemistry practice".

14th January, 2017: Platinum Jubilee Lecture, Suri Vidyasagar College, University of Burdwan, Suri, January 14-15, 2017; Prof. Goutam Brahmachari presented an invited talk on "Designing organic synthesis at ambient conditions - a step forward to green chemistry practice".

1st September, 2016: National Level Seminar on Chemistry on its way: Impacts on the environment, Department of Chemistry, Saldaha College, University of Burdwan, Bankura, September 01-02, 2016; Prof. Goutam Brahmachari presented an invited talk on "Let us think solving a chemical problem in its simplest possible way!"

July 2016: DST-WB sponsored workshop for senior school students (motivation programme) at Basapara High School; Prof. Goutam Brahmachari presented an invited talk on "Green Chemistry Motivation"

06th- 07th January, 2017: National Seminar on Recent Advances in Chemical Science and Application, 6 - 7 January 2017, Department of Chemistry, Vidyasagar College for Women; Dr. Manas Ghosh made a presentation on "Combined role of Hydrostatic Pressure and Temperature on Binding Energy of Doped Quantum Dots in presence of Noise."

11 November 2016: Second International Conference on Advanced Materials for Power Engineering (ICAMPE-2016), Kottayam, Kerala, India during 11-13 November, 2016 jointly organized by International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, Kerala, India and Wroclaw University of Technology Faculty of Electrical Engineering 27 Wybrzeze Wyspianskiego St 50-370 Wroclaw, Poland; Dr. Naznin A. Begum delivered an invited talk on "Exploring Small Molecule Synthesized Fluorescent Metal nanoparticles for Sensing of Toxic Metal Ions to Bioactive Compounds"

October 4-6, 2016: National Conference on Recent Developments in Chemistry-2016 (RDC-2016) at the Dept. of Chemistry, National Institute of Technology, Durgapur, Prof. Pranab Sarkar delivered an invited talk on "Electronic Structure of quantum confined systems".

12th-13th December 2016: National seminar on "Advances In Chemical Science And Technology", 12th -13th December 2016, Department of Chemistry, Jadavpur University, Kolkata- 700 032, Prof. Bhabatosh Mandal delivered a invited talk on Solid Phase Extraction, Separation And Preconcentration Of Rare Elements Thorium (IV), Uranium (VI), Zirconium (IV), Cerium (IV) And Chromium (III) Amid Several Other Foreign Ions With Eriochrome Black T Anchored To 3-D Networking Silica Gel.

September 1-2 2016: UGC Sponsored National Seminar, entitled "Chemistry on Its Way : Impacts on the environment" on September, 1 & 2, 2016 . Department of Chemistry, Saldaha College, Bankura, west Bengal -722173 Dr. Adinath Majee delivered an invited lecture on "Solvent and Catalyst-Free Organic Neat Reactions: A Drive Towards Sustainability" (Alumni Lecture)

September 09, 2016: One-day National Conference on "Green Chemistry - Challenges and Opportunities in India" on September 09, 2016 , Durgapur Vishwagandha Science Society, 57- Mahabir Marg , C-Zone, Durgapur, Burdwan West Bengal - 713205, India, Dr. Adinath Majee delivered an invited lecture on "Neat Reactions in Organic Synthesis: One Step Forward Towards Sustainability"

September 26-30, 2016: "XX Mendeleev Congress on general and applied Chemistry", 26-30, September, Ekateringburg, Russia. Dr. Adinath Majee delivered an invited lecture on the topic "Regioselective Ring-Opening of Aziridines followed by Synthesis of Oxazolidines"

October 4-6, 2016: National Seminar on "Recent Development in Chemistry" 4-6th October 2016 organized by Department of Chemistry NIT Durgapur, West Bengal. Dr. Adinath Majee delivered an invited lecture on on the topic "Aziridines : Synthesis, Regioselective Ring-Opening and Formation of Oxazolidines"

January, 14-15th, 2017: "National Science Seminar" 14-15th January 2017 organized by Suri Vidyasagar College, West Bengal. Dr. Adinath Majee delivered an invited lecture on the topic "Green Chemistry / Synthesis: One Step Forward Towards Sustainability"

February, 9-11, 2017: National seminar on "Recent advances in synthesis and catalysis" 9-11th of February 2017, organized by Department of chemistry, Dibrugarh University, Assam. Dr. Adinath Majee delivered an oral presentation on the topic "Regioselective Ring-Opening Of Aziridines And Synthesis Of Oxazolidines"

2th August, 2016: Proceedings of the National Symposium on Recent Advances in Chemistry and Industry 2016 (with special emphasis on pharmaceutical industry), 2-3rd August, 2016, The Indian Chemical Society, 92, Acharya Prafullo Chandra Road, Kolkata-700009, West Bengal; Dr. Biswajit Dey made a presentation on "Chromium(VI)-oxoanion sensing in water."

4th December, 2016: Recent Trends in Agriculture and allied sciences for better tomorrow (NSRTAS-2016), Department of Animal Science, Palli- siksha Bhavana, (Institute of Agriculture), Visva-Bharati and the Society of Bio Resource, Environment and Agriculture Research, Santiniketan, West Bengal; Dr. Biswajit Dey made a presentation on "Direct detection of toxic Chromium(VI) in environment."

15th February, 2017: Emerging Trends in Chemistry (ETC-2017), 15th FEBRUARY 2017, Department of Chemistry, Jadavpur University, Jadavpur, Kolkata, West Bengal; Dr. Biswajit Dey made a presentation on "1-D Micellized coordination polymer in water medium."

16th & 17th February, 2017: Recent Trends of Research & Developments of Science, NSHM Knowledge Campus, Durgapur; "Supramolecular Technology: Arsenic (III) -sensing & functioning DNA-meta materials." Oral presented by Dr. Biswajit Dey (As an invited speaker).

12th November 2016: National seminar on "Recent Advances in Chemistry", 12th November 2016 Gour Mahavidyalaya, Malda, WB, India; Dr. Sudip Kumar Mondal made an oral presentation on "Luminescence of Lanthanides and its Application towards Chemical Sensing"

3rd-5th October, 2016; 1st International Conference on Nanocomputing & Nanobiotechnology, Maulana Abul Kalam Azad University of Technology, formerly West Bengal University of Technology; Prof. Pranesh Cgowdhury delivered an Invited Talk on "Synthesis of polymer inspired metal nano particles for the study of their biological relevance" and acted as chairman of the session.

29-30 August, 2016: Dr. Alakananda Hajra delivered an invited talk on the topic "Design, Synthesis and Functionalization of Imidazoheterocycles" in the National Conference on Organic Chemistry in Sustainable Development organized by BITS, Pilani.

28-29, January 2017: Dr. Alakananda Hajra delivered an invited talk on the topic "Design, Synthesis and Functionalization of Imidazoheterocycles" in the National Conference on New Frontiers in Chemistry organized by Dept. of Chemistry, BITs Goa.

30th March, 2017: Dr. Alakananda Hajra delivered an invited talk on the topic "Design, Synthesis and Functionalization of Imidazoheterocycles" in the National Conference on Emerging Trends in Chemical Science organized by Dept of Chem., University of Kolkata

7-8 Nov., 2016: Prof. Swapan K Chandra delivered an invited talk on Stepwise Synthetic Pathways to Homo- and Hetero-metallic Tetranuclear compounds derived from a flexible polydentate ligands", in Regional Science Congress (Bankura Division), Bankura Christian College.

25-26 April, 2016: International Conference on Frontiers at The Chemistry-Allied Sciences Interface (FCASI-2106), Jaipur, India during 25-26 April, 2016 organized by University of Rajasthan, Jaipur, India; Dr. Kartick C. Bhowmick delivered a talk on "Asymmetric organocatalysis for direct aldol reactions in aqueous media: A journey towards sustainable chemistry"

Ongoing Research Projects in the Department:

Name of Teacher: Prof. Swapan K. Chandra

Name of the project: "Magnetically Promising Homo and Heterometallic Molecules"

Sponsoring Agencies: Department of Science & Technology, Govt. of West Bengal

Amount sanctioned: Approx. Rupees 10.4 Lakhs

Duration of the project: Generally Three Years (01.04.2016 to Present)

Name of the teacher: Prof. P. Sarkar

Name of the Project: Electronic Structure of Functionalized Nanoparticles

Sponsoring Agencies: UGC New Delhi.

Amount Sanctioned: 9.8 L

Duration of the project: 3 yrs

Name of the teacher: Prof. G. Brahmachari

Name of the Project: A sincere drive to develop eco-friendly methodologies for some useful organic transformations in the absence of organic solvents

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 12.65 L

Duration of the project: 3 yrs

Name of the teacher: Prof. G. Brahmachari

Name of the Project: Design for Energy-Efficient Synthesis of Biologically Relevant Heterocycles

Sponsoring Agencies: SERB-DST, New Delhi.

Amount Sanctioned: 35.26 L

Duration of the project: 3 yrs

Name of the teacher: Prof. Goutam Brahmachari (Co-PI)

Name of the Project: Pharmacokinetics and toxicology of toxins in boiled aqueous extract of *Cleistanthus collinus* leaves.

Sponsoring Agencies: DBT, New Delhi

Amount Sanctioned: 39.62 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee (Principal Investigator)

Name of the Project: Organocatalytic Ring Opening of Aziridine: Search for Regio- and Stereoselective Route to Synthesize Functionalized Amines

Sponsoring Agencies: BRNS (DAE) Govt. of India Ref. No. 37(2)/14/35/2014/BRNS-563 Dated 10-06-2104

Amount Sanctioned: Rs. 22,40,500/-

Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee

Name of the Project: Development of New Atom-Efficient Synthetic Methodologies for Organic and Organometallic Synthesis of Target (Hetero)- and Macrocycles for The Needs of Industry and Pharmacy.

Sponsoring Agencies: DST-RSF

Amount Sanctioned: Rs. 46,00,000/-

Duration of the project: 3 yrs

Name of the teacher: Dr. A. Hajra

Name of the Project: Exploration of Functionalized Nanomaterials in Coupling Reaction: Synthesis of Organic Molecules having Potential Applications in Medicinal and Material Chemistry.

Agencies: CSIR, New Delhi.

Amount Sanctioned: 23 L

Duration of the project: 3 yrs (2014-17)

Name of the teacher: Dr. A. Hajra

Name of the Project: Exploration of aprotic imidazolium based zwitterions as organocatalyst in organic synthesis

Agencies: DST, GoWB

Amount Sanctioned: 12 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. A. Hajra

Name of the Project: Transition metal-catalyzed Asymmetric C-H Functionalization: Synthesis of Enantioenriched Building Blocks

Agencies: DST, SERB

Amount Sanctioned: 45 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. Md. Motin Seikh

Name of the Project: A concerted drive towards ambient pressure synthesis and physical characterization of multiferroic quadruple perovskites A₃B₄O₁₂

Agencies: DST, SERB

Amount Sanctioned: 37 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr. Md. Motin Seikh

Name of the Project: Layered perovskite related oxide materials: Synthesis, structure and Agencies: DST-RFBR

Amount Sanctioned: 27 L

Duration of the project: 3 yrs (2016-19)

Name of the teacher: Dr Sudip Kumar Mondal

Name of the Project: Detailed Mechanistic Study of Chemical Sensing by Fluorescent Materials

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 24.84 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Biswajit Dey

Name of the Project: Synthesis, characterization and search the functionality of supramolecular networks of few selective metal ions with N,O-donor organic ligands in water media

Sponsoring Agencies: CSIR, New Delhi.

Amount Sanctioned: 16.5 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Prithidipa Sahoo

Name of the Project: "Water soluble Photoresponsive Fluorophore: Design, Synthesis and Exploration of their Biological application for specific recognition with Purine derivatives."

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 20 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Prithidipa Sahoo

Name of the Project: "Water soluble photoresponsive fluoroionophore with small cavitand: Design, synthesis and live-cell imaging for heavy metal ions"

Sponsoring Agencies: UGC, New Delhi.

Amount Sanctioned: 6 L

Duration of the project: 2 yrs

6. Extension activities/NSS/Cultural and other activities organized by the department and participated by the teachers and students of the department.

- (i) Involved in organizing and celebrating Teacher's Day in the Department with the students.
- (ii) Involved in celebrating "Gandhi Punnaha" on 10th March with the students.
- (iii) Involved in student's counseling and placement for Ph. D.
- (iv) Involved in organizing Student's Farewell Program in the Department with the students and had taken the responsibility of reaching all the girl students to their respective hostels after evening program.
- (v) Involved with the Departmental Football and Cricket Team during Inter-departmental competition (as a teacher giving encouragement).
- (vi) Involved in Fresher's welcome of Sikshabhavana.

7. Academic distinctions gained by teachers/Scholars or the department as a whole (Like recognition as D.S.A or C.A.S. etc.)

(a) Prof. Goutam Brahmachari selected as

- (i) Member, Editorial Advisory Board, Iranian Chemical Communications (2016 - to date)
- (ii) Guest-Editor: Special Thematic Issue for Current Organocatalysis [Hot Topic: Recent Advances in Organocatalysis (Vol.3, Issue 2, 2016)]
- (iii) Guest-Editor: Special Thematic Issue for Current Green Chemistry [Hot Topic: Current Trends in Organic Syntheses: Advances in Green Chemistry Research - Part-I and Part-II (Vol. 3, Issue 3

and 4, 2016)]

(iv) Who's Who in the World 2016 Listee (Marquis, USA)

(b) Prof. P. Chowdhury selected Member, Editorial Advisory Board, Journal of Polymer Materials (2016 to till date)

(c) Dr. Kartick Chandra Bhowmick has been awarded the RAMAN Fellowship 2015-16 by UGC, Govt. of India, for conducting post-doctoral research in USA for a duration of one year.

8. Publications within the year April 2016- March 2017

(i) Book

1. Goutam Brahmachari (2017), Neuroprotective Natural Products: Clinical Aspects and Mode of Action, Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany, March 2017; ISBN: 978-3527341863.

2. Goutam Brahmachari (2016), Discovery and Development of Antidiabetic Agents from Natural products (Natural product Drug Discovery Series), Elsevier Inc., Waltham, MA, USA, September 2016; ISBN: 9780128094501

3. Goutam Brahmachari, Arnold L. Demain and Jose L. Adrio (2016), Biotechnology of Microbial Enzymes: Production, Biocatalysis and Industrial Applications, Academic Press, London, October 2016; ISSN: 978-0-12-803725-6.

(ii) Book Chapter

Goutam Brahmachari. Green synthetic approaches in organophosphorus chemistry: Recent developments, In. RSC Specialist Periodical Report - Organophosphorus Chemistry - Vol. 46, Editors: David W. Allen, David Loakes and John Tebby, pp. 418-431 (March 2017, ISBN: 978-1-78262-901-6)

(iii) Monographs

NIL

(iv) Research papers in peer reviewed journals (National and International).

Is the metallic phosphorus carbide (β -PC) monolayer stable? An answer from a theoretical perspective; B Rajbanshi, P Sarkar, The Journal of Physical Chemistry Letters, 2017, 8, 747-754.

Energetic and electronic structure of penta-graphene nanoribbons; B Rajbanshi, S Sarkar, B Mandal, P Sarkar, Carbon, 2016, 100, 118-125.

Quantum transport behavior of Ni-based dinuclear complexes in presence of zigzag graphene nanoribbon as electrode; S Sarkar, A Pramanik, P Sarkar, Chemical Physics, 2016, 478, 173-177.

Engineering the electronic structure of zigzag graphene nanoribbons with periodic line defect; C Chakravarty, B Mandal, P Sarkar, Physics Letters A, 2017, 381, 307-313.

Coronene-based metal-organic framework: a theoretical exploration; C Chakravarty, B Mandal, P Sarkar, Physical Chemistry Chemical Physics, 2016, 18, 25277-25283.

Bis (dithioline) Based Metal-Organic Frameworks With Superior Electronic and Magnetic Properties: Spin Frustration to Spintronics and Gas Sensing; C Chakravarty, B Mandal, P Sarkar, The Journal of Physical Chemistry C, 2016, 120, 28307-28319.

Theoretical studies on the photophysical properties of some Iridium(III) complexes used for OLED; S Urinda, G Das, A Pramanik, P Sarkar, *Journal of Physics and Chemistry of Solids*, 2016, 96, 100-106.

Tuning the phosphorescence and quantum efficiency of heteroleptic Ir(III) complexes based on pyridine-tetrazole as an ancillary ligand: An overview from quantum chemical investigations; S Urinda, G Das, A Pramanik, P Sarkar, *Computational and Theoretical Chemistry*, 2016, 1092, 32-40.

Computational studies on the reactivity of alkyl halides over (Al₂O₃)_n nanoclusters: an approach towards room temperature dehydrohalogenation; S Biswas, A Pramanik, P Sarkar, *Nanoscale*, 2016, 8, 10205-10218.

Isoelectronically doped CdSe/Te nanoalloys as alternative solar cell materials: insight from computational analysis; R Sarkar, S Sarkar, A Pramanik, P Sarkar, S Pal, *RSC Advances*, 2016, 6, 86494-86501.

Optimizing the Photovoltaic Properties of CdTe Quantum Dot-Porphyrin Nanocomposites: A Theoretical Study; B Rajbanshi, P Sarkar, *The Journal of Physical Chemistry C*, 2016, 120, 17878-17886.

Understanding the Electronic Structure of Graphene Quantum Dot-Fullerene Nanohybrids for Photovoltaic Applications; C Chakravarty, P Ghosh, B Mandal, P Sarkar, *Zeitschrift für Physikalische Chemie*, 2016, 230, 777-790.

Superiority of D-A-D over D-A type of organic dyes for the application in dye-sensitized solar cell; S Biswas, A Pramanik, T Ahmed, SK Sahoo, P Sarkar, *Chemical Physics Letters*, 2016, 649, 23-28.

Effect of additional donor group on the charge transfer/recombination dynamics of a photoactive organic dye: A quantum mechanical investigation; S Biswas, A Pramanik, P Sarkar, *Computational and Theoretical Chemistry*, 2017 1103, 38-47.

A Theoretical Perspective on the Photovoltaic Performance of S, N-heteroacenes: An Even-Odd Effect on the Charge Separation Dynamics; S Biswas, A Pramanik, S Pal, P Sarkar, *The Journal of Physical Chemistry C*, 2017, 121, 2574-2587.

N, N'-Dimethylformamide as a Methylenating Reagent: Synthesis of Heterodiarylmethanes via Copper-Catalyzed Coupling between Imidazo [1,2-a] pyridines and Indoles/N,N'-Dimethylaniline. Mondal, S.; Samanta, S.; Santra, S.; Bagdi, A.K. and Hajra, A. *Advanced Synthesis & Catalysis* 2016, 358 (22), 3633-3641.

FeCl₃-Catalyzed Cross-Dehydrogenative Coupling between Imidazoheterocycles and Oxaldehydes. Samanta, S.; Mondal, S.; Santra, S.; Kibriya, G. and Hajra, A. *The Journal of Organic Chemistry* 2016, 81 (20), 10088-10093.

Zn (OTf)₂-Catalyzed Synthesis of Imidazole-substituted Allenes. Jana, S.; Dey, A.; Singsardar, M.; Bagdi, A.K. and Hajra, A. *The Journal of Organic Chemistry* 2016, 81 (19), 9489-9493.

Extended cavity pyrene-based iptycenes for the turn-off fluorescence detection of nitroaromatic explosives and RDX. A. F. Khasanov, D. S. Kopchuk, I. S. K. O. S. Taniya, K. Giri, S. Santra, M.

Rahman, A. Majee, V. N. Charushin and O. N. Chupakhin, *New J. Chem.* 2016 (In press)

Solvent-free synthesis of 5-(aryl/alkyl)amino-1,2,4- triazines and a-arylamino-2,2'-bipyridines with greener prospects. D. S. Kopchuk, N. V. Chepchugov, I. S. Kovalev, S. Santra, M. Rahman, K. Giri, G. V. Zyryanov, A. Majee, V. N. Charushina and O. N. Chupakhina, *RSC Advances*, 2017, 7, 9610-9619.

Combination of NH₂OH·HCl and NaIO₄: a new and mild reagent for the synthesis of vicinal diiodo carbonyl compounds. S. Santra, S. K. Kundu, N. Chakraborty Ghosal, R. Chatterjee, S. Mahato, I. A. Khalymbadzha, G. V. Zyryanov, A. Hajra and A. Majee. *Arkivoc*, 2016, v, 416-426

3-Cyano-2-azaanthracene-based "push-pull" fluorophores: a one-step preparation from 5-cyano-1,2,4-triazines and 2,3-dehydronaphthalene, generated in situ. D. S. Kopchuk, N. V. Chepchugov, O. S. Taniya, A. F. Khasanov, K. Giri, Igor S. Kovalev, S. Santra, G. V. Zyryanov, A. Majee, V. L. Rusinov, O. N. Chupakhin, *Tetrahedron Letters*, 2016, 57, 3862-65

Use of Zwitterionic-Type Molten Salt at Room Temperature for the One-Pot Synthesis of N-substituted decahydroacridine-1,8-diones in Water-Ethanol. S. Das, S. K. Kundu, A. Hajra, A. Majee *J. Ind. Chem. Soc.* 2016, 93, 1221-24

A one-pot approach to 10-(1H-1,2,3-triazol-1-yl)pyrimido[1,2-a]indoles via aryne-mediated transformations of 3-(pyrimidin-2-yl)-1,2,4-triazines. D. S. Kopchuk, N. V. Chepchugov, A. F. Khasanov, I. S. Kovalev, S. Santra, E. V. Nosova, G. V. Zyryanov, A. Majee, V. L. Rusinov, O. N. Chupakhin *Tetrahedron let.* 2016, 57, 3862-3865.

Fluorescent detection of common nitroaromatic explosives in aqueous media by using water-soluble pyrene derivatives. I. S. Kovalev, O. S. Tania, N. V. Slovesnova, G. A. Kim, S. Santra, D. S. Kopchuk, P. A. Slepukhin, G. V. Zyryanov, A. Majee, V. N. Charushin and O. N. Chupakhin, *Chemistry - An Asian Journal*, 2016, 11, 775-781.

Organocatalysis by an Aprotic Imidazolium Zwitterion: Regioselective Ring-Opening of Aziridines and Applicable to Gram Scale Synthesis. N. C. Ghosal, S. Santra, S. Das, A. Hajra, G. V. Zyryanov, A. Majee, *Green Chemistry*, 2016, 18, 565-574.

Solvent-free synthesis of pillar[6]arenes. S. Santra, D. S. Kopchuk, I. S. Kovalev, G. V. Zyryanov, A. Majee, V. N. Charushin, O. N. Chupakhin, *Green Chemistry*, 2016, 18, 423-426.

Zwitterionic Imidazolium Salt: An Efficient Organocatalyst for the One-Pot Synthesis of 5,6-Unsubstituted 1,4-Dihydropyridine Scaffolds. A. K. Bagdi, D. Kundu, A. Majee and A. Hajra *Current Organocatalysis* 2016, 3(2), 169-175. (invited)

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- Solid phase extraction, separation and preconcentration of rare elements thorium(IV), uranium(VI), zirconium(IV), cerium(IV) and chromium(III) amid several other foreign ions with eriochrome black T anchored to 3-D networking silica gel. Srivastava, B., Barman. M. K. Chatterjee, M. Roy, D. Mandal.* B. J. *Chromatogr. A*, 2016, 1451, 1-14.
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- Facile and chemically sustainable catalyst-free synthesis of diverse 2-aryl-4-alkyl/aryl-pyrano[3,2-c]chromen-5(4H)-ones by one-pot multicomponent reactions at room temperature. Brahmachari, G., Nurjamal, K., *ChemistrySelect* 2017, 2, 3695-3702.
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- Combined Experimental and Quantum Chemical Analysis of 2-(4-chlorophenyl)-2-(4-fluorophenylamino)acetonitrile. Gangwar, S. K., Kumar A., Srivastava A. K., Misra N., Singh R. B., Brahmachari, G., *Signpost Open Access J. Org. Biomol. Chem.* 2016, 3, 286-301.
- Design for carbon-carbon bond forming reactions at ambient conditions. Brahmachari, G., *RSC Advances* 2016, 6, 64676-64725.
- Selective pro-apoptotic activity of novel 3,3'-(aryl/alkyl-methylene)bis(2-hydroxynaphthalene-1,4-dione) derivatives on human cancer cells via the induction reactive oxygen species. Sadhukhan, P., Saha, S., Sinha, K., Brahmachari, G., Sil P. C., *PLoS ONE* 2016, 11(7): e0158694

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Spectral (FT-IR, NMR) analyses, molecular structure, chemical bonding and molecular docking of two hexahydroacridine-1,8(2H,5H)-dione derivatives: A comparative quantum chemical study. Srivastava A. K., Shukla D. V., Kumar A., Brahmachari G., Misra N., *Polycyclic Aromatic Compounds*; published online 15 Nov., 2016, DOI:10.1080/10406638.2015.1129977.

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Cytotoxic and mutagenic effects of *Thuja occidentalis* mediated silver nanoparticles on human peripheral blood lymphocytes. A.Bandyopadhyay, P.P.Banerjee, P.Shaw, M.K.Mondal, V.Das, P.Chowdhury, N.Karak, S. Bhattacharya, A.Chattopadhyay, Materials Focus (MAT), 2017, 6, 290-296.

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Chemistry 2016, 2016, 4631-4636.

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Design, Synthesis, and Functionalization of Imidazoheterocycles. Bagdi, A.K. and Hajra, A. The Chemical Records, 2016, 16, 1868.

Switching the regioselectivity in the copper-catalyzed synthesis of iodoimidazo [1, 2-a] pyridines. Samanta, S.; Jana, S.; Mondal, S.; Monir, K.; Chandra, S.K. and Hajra A. Organic & biomolecular chemistry 2016, 14 (22), 5073-5078.

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Selective Recognition and Quantification of 2,3-Bisphosphoglycerate in Human Blood Samples by a Rhodamine Derivative. Asian Journal of organic chemistry (weily-VCH) 2017, 6, 71. (Highlighted as a front cover page).

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A cyclization-induced emission enhancement (CIEE)-based ratiometric fluorogenic and chromogenic probe for the facile detection of a nerve agent simulatant DCP Mahapatra, A. K., Maiti, Kalipada., Manna, S. K., Maji, R., Mondal, S. Das Mukhopadhyay, C., Sahoo, P. Mandal, D. Chem Comm 2015, 51, 9729-32.

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Organocatalyzed Asymmetric Diels-Alder Reactions in Aqueous or Semi-Aqueous Media by K. C. Bhowmick, M. Bihani, and J. C.-G. Zhao Mini Reviews in Organic Chemistry 2017 (Accepted).

Conversion of aziridines to oxazolidines through geminal difunctionalization of vinyl arenes or by tandem ring-opening/closing reaction of aziridine itself. N. Chakraborty Ghosal, S. Santra, G. V. Zyryanov, A. Hajra, A. Majee Tetrahedron lett. 2016, 57, 3551-3555

A decade update on solvent and catalyst-free organic neat reactions: a step forward towards sustainability. A. Sarkar, S. Santra, S. K. Kundu, A. Hajra, G. V. Zyryanov, O. N. Chupakhin, V. N. Charushin, A. Majee Green Chemistry, 2016, 18, 4475-4525

The role of interplay between the potential and the ambient energies on the vibration energy harvesting, S. Ray, S Mandal, B. Mandal and B C Bag Eur. Phys. J. B, 2016, 89, 224-235.

Luminescent rare-earth-based MOFs as optical sensors. Mahata, P. Mondal, S. K. Singha, D.K. and Majee, P. Dalton Transactions 2017, 46, 301-328.

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Designing New Course/Curriculum or any other teaching innovations introduced by the department. We are on the way of introducing CBCS in our UG and PG courses.

UG & PG- Primarily we preferred usual chalk-board method. But there are many topics we introduced through slide show.

Ph. D. Course Works- Primarily through slide show presentation.

A brief history on the development of the Bhavana/Sadana/ Vibhaga concerned with an indication of the future plans for development

On the basis of our previous research work, we have identified the following thrust area for our future research: "Design, Synthesis, Characterization and Understanding the Structure and Behavior of Functional Materials for their Potential Technological Application" The aim of this thrust area is to build an understanding of the chemistry of functional materials both experimentally, conceptually and theoretically and to utilize this understanding to control the assembly, structure and function of these materials which have long term potentials in energy, biomedical and other technologies.

The specific objectives under this thrust are the followings:

- a. Exploring and understanding the size, shape and composition dependent electronic structure of functional nanomaterials.
- b. Theoretical understanding of the interfacial electron transfer processes in Quantum Dot sensitized Solar cells by ab initio time-domain atomistic simulation method.

- c. Theoretical studies on excitation profiles and transport properties of doped quantum dot systems for understanding of dynamical aspects of quantum dot nanodevices.
- d. Computational studies on the effect of solvents and catalysts on the stereo- and regio- specificity of 1,3-H shift reactions relevant to the synthesis of bio-active organic compounds.
- e. Eco-friendly and economic synthesis, and characterization of energy relevant nanomaterials e.g. semiconductor and magnetic nanomaterials with an emphasis on their controllable structures and tailored reactivity.
- f. Development of biogenic/green routes for the synthesis of bio-compatible polymeric
- g. Nanocomposites and metal nanoparticles for their bio-medical applications.
- h. Exploration and exploitation of novel and green nano-catalyst for the synthesis of biologically relevant molecules.
- i. Development of facile synthetic routes for versatile metal-organic gel and crystalline supramolecular architectures and inorganic co-crystals followed by their characterization and applications.
- j. Synthesis and studies on the properties of transition metal oxides with triangular arrangement of oxygen framework (triangular and Kagome Lattices) exhibiting magnetic frustration.
- k. Development of bio-friendly solid phase extractors for metal ion separation.
- l. Eco-friendly synthesis of biocompatible, thermo-sensitive and conducting polymer and polymer/silica nanoparticle composite.
- m. Studies on the kinetics of metal nanoparticle catalyzed reductions of biologically relevant transition metal complexes to explore mechanistic pathways of some important biological redox processes.

Particulars in details of the department Library

- (a) Area in (sq. meters) quoted for the library: 70 sq. meters (class room cum library)
- (b) Is there separate provision for reading room? No
- (c) Total No of books: 918
- (d) Total number of books purchased during the year: 40
- (e) Total number of Periodicals: 500
- (f) Total number of Periodicals purchased during the year: Nil
- (g) Total number of readers: 300
- (h) Total number books and periodicals issued: 10
- (i) Total number of Staff-members: Nil.

Any other relevant information

Beyond our syllabus scholarly activities we performed the followings:

- (i) Student's seminar and group discussion on some advanced topics of chemistry have been introduced. Students are encouraged to make power point presentation to discuss their topics.
- (ii) Resourceful person and ex-students (distinguished alumni of the department) are invited to interact with the present student and faculties for well directed motivations.
- (iii) Display of wall magazine at regular interval is a well known practice of our department.

DEPARTMENT OF MATHEMATICS

Name of the students qualified in UGC/CSIR- NET/ SET/ GATE/ NBHM

SI No	UGC/CSIR- NET	GATE
1.	Shayani Chatterjee	Saugata Mahata
2.	Rupchand Malo	Kalyan Saha
3.	Bikash Chandra Saha	Santanu Saha
4.	Rahul Saha	Mafikul Islam
5.	Sougata Mahato	Ayan Pal
6.	Samrat Hansda	Pradip Das
7.	Shanaz Begum	Surath Ghosh
8.	Amit Paul	Biswajit Mallik
9.	Sarwar Jahan Biswas	Rahul Saha
10.	Mainul Haque	Mampi Majhi
11.	Mampi Majhi	Minakshi Majhi
12.	Simul Sarkar	Kuldip Maheswari
13.	Makhan Majhi	

Visiting Professors to the Department

Dr. Manosh C Paul, University of Glasgow, UK.

Dr. Sabyasachi Mandal, Postdoctoral Research Fellow, University of Kwazulu-Natal, SA.

Dr. Kalyan Sinha Mahapatra, IIT Kharagpur, India.

Prof. Dhurjati Prasad Datta of North Bengal University visited our Department and delivered a talk on Fractals.

Prof. N. S. Saini of Guru Nanak Dev University, Amritsar, visited our Department and delivered a talk on Modulational instability of nonlinear waves in superthermal plasmas during 28-29 March 2016.

Dr. Santo Banerjee, University Putra Malaysia, Malaysia.

Only National and International Conference /Seminar/ Workshop/ Exhibition/ Refresher Course/Orientation Programme etc. attended/participated by Teachers/ Research scholars in details:

Amar Prasad Misra

Participated, delivered an invited talk and chaired a session in the International Conference on Frontiers of Physics and Plasma Science (7-8 Nov 2016), Ujjain Engineering College, Ujjain, India.

Participated and presented a paper in the International Conference on Nonlinear systems and Dynamics (16-18 Dec 2016), IISER Kolkata, India.

Participated and delivered an invited talk in the National seminar on Recent developments in plasma physics (27 Feb 2017), Jadavpur University, Kolkata-700 032.

Participated and delivered an in the National conference on Plasma physics and nonlinear dynamics 2017 (23-24 March 2017), JIS University, Agarpara, Kolkata.

Delivered invited lectures in the DST-SERB School on Plasma Theory (9-29 Nov 2016), IASST, Guwahati, India. One of my Research Scholars Debjani Chatterjee participated in this school on Plasma Theory.

Participated and completed a *Short Term Course* on Basic Skill of Counselling, held during 10-17 January 2017 at Jadavpur University, Kolkata-700 032.

Ongoing Research Project:

(a) National:

Science and Engineering Research Board (SERB) sponsored project titled “Wavelet based technique for numerical solution of singular integral equation of second kind” (Sanction order No. SERB/F/428/2014-2015 dated 22.04.2014) for a duration of Three years, PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,43,069.

DAE sponsored through BRNS project titled “Wavelet finite element based numerical solution of ground water modelling” (Sanction no. 2013/36/74-BRNS/2117 dated 29 Nov. 2013), Co-PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,67,500.

UGC sponsored major research project titled “Nonlinear waves and instabilities at multiscales in plasmas”. PI: Dr. Amar Prasad Misra. Grant Sanctioned: Rs. 7,65,000. Date of implementation: 01.07.2015.

Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

Teacher’s day was celebrated on 5 September 2017 in the Department of Mathematics organized by the students of the Department of Mathematics.

Dr. Lakshmi Narayan Guin acted as programme coordinator in NSS Siksha Bhavana Unit, Visva Bharati in which

(i) students of Siksha Bhavana NSS Unit, Visva Bharati arranged and participated in a special camp of NSS during 23 to 29 December 2016 on the occasion of ‘Poush Mela’ at Poush Mela Prangan, Santiniketan, Visva Bharati.

(ii) students of Siksha Bhavana NSS Unit, Visva Bharati celebrated ‘Gandhi Punyaha’ on 10 March 2017 at 8.00 A.M. at Upasana Griha, Visva Bharati.

(iii) students of Siksha Bhavana NSS Unit, Visva Bharati celebrated the ‘Independence Day’ on 15 August 2017 at Physical Education Ground, Visva Bharati.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc):

The Department has been recommended for the Special Assistance Programme (SAP – DRS Phase III) under University Grants Commission during 01.04.2015 to 31.03.2020. Grant Sanctioned Rs. 1,39,50,000.00. Also, the department has been receiving a financial assistance from DAE, Govt. of India through NBHM for the development of Departmental Library.

Publications within the year April 2016- March 2017

i) Research Papers (Author(s), Title of the Paper, Year, Journal, Volume No., Pages): See below

Real Analysis

1. S. Ray and S. Goldar , Soft set and soft group in classical point of view” Journal of the Indian Math. Soc. 84 (3) (2017).
2. S. Ray and A. Garai, On Laplace Smooth Functions” , Bull. Allahabad Mathematical Society, 31(2)(2016), 155-165.
3. A. Garai and S. Ray, The Newton Laplace Integral”, Bull. Cal. Math. 109 (2) (2017).
4. S. Ray and S.Ghosh , On the Higher Order Borel Derivative” Proceeding of IMBIC. 5 (2016) 94- 99.
5. A. Garai and S. Ray, On Flett’s Type Mean Value Theorems For The Functions of Several Variables” Proceeding of IMBIC. 5 (2016) 100-104.

Complex Analysis

6. Dibyendu Banerjee and Nilkanta Mondal, On the growth properties of generalized iterated entire functions, Konuralp Journal of Mathematics, 4 (1) (2016) 92-107.
7. Dibyendu Banerjee and Biswajit Mandal, Iterated entire functions with finite iterated order sharing three values IM, International Journal of Mathematical Sciences and Engineering Applications, 10 (II) (2016), 133-147.
8. Dibyendu Banerjee and Biswajit Mandal, Further results on generalised iteration of entire functions with finite iterated order, Journal of Classical Analysis, 9 (1) (2016), 13-25.
9. Dibyendu Banerjee and Biswajit Mandal, Generalised iteration of entire functions with index-pair $[p, q]$, Konuralp Journal of Mathematics, 5 (1) (2017) 123-135.

Computational Mathematics

10. Swaraj Paul, M. M. Panja, B. N. Mandal, Wavelet based numerical solution of second kind hypersingular integral equation, Appl. Math. Sc. 10 (54) (2016) 2687-2707.
11. Swaraj Paul, M. M. Panja, B N Mandal, Use of Legendre multiwavelets in solving second kind singular integral equations with Cauchy type kernel, Inv. Math. Sc. 5(1) (2016) 10-21.
12. Sourav Datta, M. M. Panja, Subenoy Chakraborty, A scalar field dark energy model: Noether symmetry approach, Gen. Relativ. Gravit. 48(1) (2016) 54-71.
13. Sourav Datta, M. M. Panja, Subenoy Chakraborty, A study of dynamical equations for nonminimally coupled scalar field using Noether symmetric approach, Mod. Phys. Lett. A 31(19) (2016) 1560116:1-7.
14. Prakash Kumar Das, M. M. Panja, A rapidly convergent approximation method for nonlinear ordinary differential equations, IJSEAS, 2(8) (2016) 334-348.
15. Supriya Mandal, M. M, Panja, On exact solutions of Dirac equation with pseudo-scalar coupling involving cubic nonlinearity, IJASER 5(6) (2016) 477- 483.
16. Prakash Kumar Das, M. M. Panja, A splitting technique for superposition type solutions of cubic nonlinear ordinary differential equations, Appl. Math. Sc. 11(14) (2017) 665-675.

Fuzzy Mathematics

17. Sk. Nazmul, S. K. Samanta, Some properties of soft multi topologies, *Journal of Arts Science and Teaching*, 02(01) (2016) 86-99.
18. Moumita Chiney, S. K. Samanta, Soft topological vector space, *Annals of Fuzzy Mathematics and Informatics* 13(02) (2017) 153-174.
19. G. Rano, T. Bag, S. K. Samanta, Fuzzy metric space and generating space of quasi-metric family, *Annals of Fuzzy Mathematics and Informatics*, 11 (2) (2016) 183-195 (ISSN 2287-6235).
20. S. Mukherjee, T. Bag, Some fixed point theorems of fuzzy nonexpansive mapping in fuzzy inner product spaces, *Annals of Fuzzy Mathematics and Informatics*, 11 (4) (2016) 527-539 (ISSN 2287-6235).
21. A. Mazumdar, T. Bag, Some fixed point theorems in D^* -fuzzy metric spaces, *Annals of Fuzzy Mathematics and Informatics*, 12 (3) (2016) 411-417 (ISSN 2287-6235).
22. P. Tamang, T. Bag, Some results on finite dimensional fuzzy cone normed linear spaces, *Annals of Fuzzy Mathematics and Informatics*, 13 (1) (2017) 123-134 (ISSN 2287-6235).
23. T. Bag, Finite dimensional intuitionistic fuzzy n -normed linear spaces, *Annals of Fuzzy Mathematics and Informatics*, 13 (2) (2017) 175-188 (ISSN 2287-6235).

Fluid Dynamics, Atmospheric Sciences

24. Dulal Pal, Gopinath Mandal and K. Vajravelu, Soret and Dufour effects on MHD convective-radiative heat and mass transfer of nanofluids over a vertical non-linear stretching/shrinking sheet, *Applied Mathematics and Computation (Elsevier Journal)*, 287 (2016) 184-200
25. Shweta Mishra, Dulal Pal and Hiranmoy Mondal and Presious Sibanda, On Radiative-magnetoconvective heat and mass transfer of a nanofluid past a non-linear stretching surface with Ohmic heating and convective surface boundary, *Propulsion and Power Research (Elsevier Journal)*, 5(4) (2016) 326–337.
26. Dulal Pal, Netai Roy, K. Vajravelu, Effects of thermal radiation and Ohmic dissipation on MHD Casson nanofluid flow over a vertical non-linear stretching surface using scaling group transformation, *International J. Mechanical Sciences*, 114 (2016) 257-267.
27. Dulal Pal and Debranjani Chatterjee, Combined effects of thermal radiation and magnetic field on heat and mass transfer in a thin liquid film of a nanofluid over an unsteady stretching sheet, *Journal of Nanofluids*, 5 (6) (2016) 861-869.
28. Dulal Pal, Influence of nonlinear thermal radiation and variable viscosity on hydromagnetic heat and mass transfer in a thin liquid film over an unsteady stretching surface, *International J. Mechanical Sciences*, 119 (2016) 208-216.
29. Poulami De, Dulal Pal, Hiranmoy Mondal and Uttam Kumar Bera, Effect of thermophoresis and Brownian motion on magnetohydrodynamic convective-radiative heat and mass transfer of a nanofluid over a nonlinear stretching sheet, *Journal of Nanofluids*, 6 (1) (2017) 164-172.
30. T. R. Mahapatra and S. Sidui, Unsteady heat transfer in non-axisymmetric Homann stagnation-point flows, *Z. Angew. Math. Phys.* 68 (2017) 32.

Biomechanics, Mathematical Biology

31. L. N. Guin, B. Mondal and S. Chakravarty, Existence of spatiotemporal patterns in the reaction-diffusion predator-prey model incorporating prey refuge, *International Journal of Biomathematics* 9 (6) (2016) 1650085 (25 Pages), DOI:10.1142/S1793524516500856 .
32. N. Ali and S. Chakravarty, Consequence of prey refuge in a tri-trophic prey dependent food chain model with intra specific competition, *Journal of Applied Nonlinear Dynamics*, 5 (2) (2016) 199 – 219, DOI: 10.5890/JAND.2016.06.007(2016).
33. L. N. Guin and Sattwika Acharya, Dynamic behaviour of a reaction-diffusion predator-prey model with both refuge and harvesting, *Nonlinear Dynamics (NODY)*, Springer, 88 (2) (2017) 1501-1533 (DOI: 10.1007/s11071-016-3326-8).
34. P. K. Mandal, Sarifuddin and V. B. Kolachalama, Computational model of drug-coated balloon delivery in a patient-specific arterial vessel with heterogeneous tissue composition, *Cardiovascular Engineering and Technology*, 7 (4) (2016) 406–419 (2016).
35. A. P. Mandal, and P. K. Mandal, “On the role of luminal flow and interstrut distance in modelling drug transport from half-embedded drug-eluting stent”, *Global Journal of Science Frontier Research: F Mathematics and Decision Sciences*, 16 (6) (2016) 37-51 [Invited Paper].
36. Santanu Biswas, Md. Saifuddin, S. K. Sasmal, Sudip Samanta, Nikhil Pal, F. Ababneh, Joydev Chattopadhyay. A delayed prey–predator system with prey subject to the strong Allee effect and disease. *Nonlinear Dynamics*, Springer, 84 (2016) 1569-1594.
37. Santanu Biswas, Sourav K. Sasmal, Sudip Samanta, Md. Saifuddin, Nikhil Pal, Joydev Chattopadhyay. Optimal harvesting and complex dynamics in a delayed eco-epidemiological model with weak Allee effects. *Nonlinear Dynamics*, Springer, 87 (2017) 1553-1573 .

Plasma Dynamics, Nonlinear Dynamics

38. A. Saha, K. Roy, N. Pal, and P. Chatterjee, Dynamic features of dust acoustic waves in a four component dusty plasma with non-thermal ion, *JURNAL FIZIK MALAYSIA* 38 (2016) 3.
39. S. Choudhury, T. K. Das, M. K. Ghorui and P. Chatterjee, The effect of exchange-correlation coefficient in quantum semiconductor plasma in presence of electron-phonon collision frequency *PHYSICS OF PLASMAS* 23 (2016) 062110.
40. A. Saha, N. Pal, T. Saha, M. K. Ghorui and P. Chatterjee A study on dust acoustic traveling wave solutions and quasiperiodic route to chaos in nonthermal magnetoplasmas, *J Theor Appl Phys* 10 (2016) 271–280.
41. K. Roy, S. K. Ghosh and P. Chatterjee, Two-soliton and three-soliton interactions of electron acoustic waves in quantum plasma, *Pramana – J. Phys.*, 86(4) (2016) 873.
42. K. Roy, S Choudhury, P. Chatterjee and C S Wong, Face-to-face interaction of multisolitons in spin-1/2 quantum plasma *Pramana – J. Phys.* 88 (2017) 18.
43. R. Ali, A. Saha and P. Chatterjee, Dynamics of the positron acoustic waves in electron–positron–ion magnetoplasmas, *Indian J Phys* 91 (2017) 689.
44. A. Saha, T. Saha, M. K. Ghorui and P. Chatterjee, Qualitative Behavior of Ion Acoustic Waves in Nonextensive Unmagnetized Plasmas, *JURNAL FIZIK MALAYSIA* 37(1) (2016) 01102-01115.

45. T. K. Maji, M. K. Ghorui, A. Saha and P. Chatterjee Oblique interaction of ion-acoustic solitary waves in e-p-i plasmas Braz J Phys 47 (2017) 295.
46. M. Shahmansouri and A. P. Misra, Elliptically polarized electromagnetic waves in a magnetized quantum electron-positron plasma with effects of exchange-correlation, Phys. Plasmas 23 (2016) 072105 [6 pages].
47. D. Chatterjee and A. P. Misra, Nonlinear Landau damping of wave envelopes in a quantum plasma, Phys. Plasmas, 23 (2016) 102114 [10 pages].
48. M. Shahmansouri and A. P. Misra, Modulation and nonlinear evolution of multi-dimensional Langmuir wave envelopes in a relativistic plasma, Phys. Plasmas, 23, (2016) 122112 [6 pages].
49. Effects of Landau damping on ion-acoustic solitary waves in a semiclassical plasma, A. Barman and A. P. Misra, Phys. Plasmas, 24, 052116 (2017) [10 pages].

Citation Indices of Teachers (Source: Google Scholar)

S1 No.	Name	Total Citations (Since 2012)	H-index (Since 2012)	I10-index (Since 2012)	Research Field
1	Prof. Syamal Kr Samanta	3188 (2164)	26 (22)	41 (37)	Fuzzy Functional Analysis and Fuzzy Topology; Fixed Point Theory
2	Prof. Dulal Pal	1833 (1633)	26 (25)	50 (45)	Computational Fluid Dynamics, Nanofluids, Porous Medium, Stretching/Shrinking Sheet, Magnetohydrodynamics
3	Prof. Santabrata Chakraborty	1232 (654)	21 (14)	36 (20)	Biomathematics
4	Prof. Prasanta Chatterjee	1599 (1360)	23 (20)	60 (54)	Plasma Dynamics, Nonlinear Dynamics and Chaos
5	Prof. Prashanta Kr. Mandal	1075 (763)	17 (14)	29 (24)	Biofluidynamics, Mathematical Biology, Mass Transport, controlled drug delivery
6	Prof. Tapas Ray Mahapatra	1320 (1026)	15 (15)	24 (21)	Computational Fluid Dynamics
7	Dr. Tarapada Bag	914 (645)	10 (9)	10 (9)	Functional Analysis, Fuzzy Mathematics

8	Dr. Dibyendu Banerjee	165 (126)	7 (7)	6 (4)	Complex Analysis-Growth Properties, Fixed Point Theory Semigroups and Semirings
9	Dr. Anjan Kumar Bhuniya	121 (96)	6 (6)	6(4)	
10	Dr. Amar Prasad Misra	1332 (848)	21 (18)	45 (34)	Plasma Dynamics, Magnetohydrodynamics, Nonlinear Dynamics
11	Dr. Lakshmi Narayan Guin	66 (66)	5 (5)	3 (3)	Mathematical Ecology and Spatio temporal pattern formation
12	Dr. Kalyan Hansda	10 (10)	2 (2)	0 (0)	Ordered semigroup, Algebraic coding theory
13	Dr. Nikhil Pal	75 (75)	5 (5)	3 (3)	Mathematical Biology, Nonlinear Dynamics

Designing New Course / Curriculum or any other teaching innovations introduced by the Department:

The Department of Mathematics is in an advanced stage of modifying and upgrading its current syllabi for three-year B.A./B.Sc. (Honours) and two-year M.A./M.Sc. courses. The semester system was introduced in the two-year MA/M Sc course in 2009 and the syllabus was upgraded accordingly.

The department is now seized with the introduction of Choice Based Credit System (CBCS) both at the undergraduate and postgraduate levels. The curriculum was designed by the Board of Studies (BOS) in Mathematics. This CBCS system has been introduced with effect from the academic session 2011-2012.

The three-year 88-credit BA/B Sc (Honours) course consists of six semesters with the students having been offered choices of elective papers at the Semester V and Semester VI.

The two-year 96-credit MA/M Sc course consists of four semesters with the students having been offered two elective papers in pure mathematics as well as in applied mathematics out of several choices from both these branches of mathematics. The student shall have to undertake a compulsory project work in his/her field of specialization.

This year the department has introduced two new courses as **Optional Stream Papers** for the Post-Graduate students — one each for Pure Mathematics (Algebraic Topology) and Applied Mathematics (Weak formulation of Elliptic Partial Differential Equations).

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development:

The Department of Mathematics is the oldest department under Siksha-Bhavana (Institute of Science). It was established in 1961 with the introduction of BA/B Sc (Honours) in Mathematics. Subsequently in 1963, two-year MA/M Sc course in Mathematics was started in the department along with the regular Ph. D. programme.

At the moment, the members of faculty are engaged in the following areas of research:

(a) Real Analysis, (b) Complex Analysis, (c) Functional Analysis, (d) Fuzzy Topology, (e) Fuzzy Functional Analysis, (f) Abstract Algebra, (g) Fluid Mechanics, (h) Computational Fluid Dynamics, (i) Atmospheric Sciences, (j) Biomechanics, (k) Plasma Physics, Nonlinear Dynamics (l) Symmetry and Painleve Analysis of differential equations, (m) Artificial Intelligence, (n) Quantum Scattering Theory, (p) Wavelet based Numerical Analysis.

In recognition of the contributions of the faculty members in their fields of research as evidenced in the number and excellent quality of publications in national and international journals of repute, the University Grants Commission has brought the Department of Mathematics under its Special Assistance Programme (SAP) – DRS (Phase – III). The department proposes to establish a “Centre for Nonlinear Studies” in the development budget during the next Five-Year Plan.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included:

The one semester compulsory Ph. D. course work is in progress for twelve students of Batch—VII who have been conditionally registered for pursuing their Ph. D. degree in Mathematics at the Department of Mathematics. Candidates in batch VI have completed their examinations and successfully completed the course.

Particulars in details of the Departmental Library

- a) Area in (Sq. meters) quoted for the Library: 69.68 Sq. meters
- b) Is there separate provision for Reading Room? : No.
- c) Total No. of Books: $1924 + 160 + 98 + 133 = 2447$ Nos.
- d) Total number of books purchased during the year 2015-2016: 133
Total no. of Books purchased from NBHM Library Grant—133
- e) Total number of Periodicals: Nil
- f) Total number of Periodicals purchased during the year: Nil
- g) Total Number of Readers: All teachers and research scholars of the department.
- h) Total No. of Books and Periodicals issued: Books are regularly issued to teachers and research scholars.
- i) Total Number of Staff-members (category wise): Nil.

DEPARTMENT OF ZOOLOGY

1. Name of the Department and detailed information as per Proforma I and II enclosed.

- (i) Name of the Department : Zoology
- (ii) Number of Teachers : 11
- (iii) Number of Non-Teaching Staff : 08
- (iv) Number of P.G. students : 83
- (v) Number of Ph.D. students : 41

Name of the students qualified in UGC-CSIR NET/SLET and GATE Examinations

- (i) UGC-CSIR NET: Sourajit Saha, Priyanka Das, Ragini Sinha, Snehasis Nag, Akash Acharya, Kunal Sarkar, Rajib Dey
- (ii) GATE: Dhiman Saha, Pratyusha Chakraborty, Abhisikta Ghosh, Snehasish Nag, Avik Banerjee, Sabarna Chowdhury, Sujoy Kundu, Prasenjit Roy, Kunal Sarkar, Sajal Barman
- (iii) SLET: Saradindu Saha

Departmental Seminars: (Speaker, Title of the Seminar, Date)

International: 02

- (i) Speaker: Dr. Pinaki Bose, Arnie Charbonneau Cancer Institute & Adjunct Assistant Professor, Departments of Biochemistry & Molecular Biology and Surgery, University of Calgary, Canada
Title of the Seminar: 'A path towards personalized head and neck cancer management' Date: 13.02.2017
- (ii) Speaker: Dr. Amitabha Mukhopadhyay, Postdoc, Department of Biochemistry and Molecular biology, University of Chicago, USA
Title of the Seminar: 'Challenging pseudo-bipolar divisions in cancer cells with extra chromosomes: A story of centrosome amplification, mitotic phenotype, cell cycle and death' Date: 27.03.2017

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details:

Santi Prasad Sinha Babu

January 08-10, 2017: 3rd International Conference on Prospectives of Cell Signaling and Molecular Medicine. Bose Institute, Kolkata. January 8-10, 2017; Roy, P., Saha, S.K., Gayen, P., Mondal, M.K., Roy, D., Chowdhury, P., Sinha Babu, S.P. "Antifilarial activity of biopolymer inspired biogenic gold nanoparticles: evidence of ROS mediated apoptosis".

January 10-12, 2017: International Conference on Molecular Signaling: Basics to applications. AU -KBC Research Centre, Anna University, Chennai, India;

- i. Mukherjee, S., Mukherjee, S., Bhattacharya, S., and Sinha Babu, S.P. "A novel ligand of TLR4 from filarial nematode induces migration and polarization of macrophage".
- ii. Joardar, N., Mukherjee, S., Roy, B., Mukherjee, N., Chowdhury, P., Sinha Babu, S.P. "Molecular evidences on the anti-infectious activities of a biopolymer inspired benign gold nanoparticles".

Santanu Ray

July 13-16, 2016: Invited to deliver lecture on "Concept of robustness of ecological system through network analysis" at the UGC sponsored National Seminar on Biodiversity of Intertidal Insects: Management and conservation in Purba-Medinipur coastal belt, Contai organized by the Department of Zoology, Probhat Kumar College, Contai.

September 10-11, 2016: Invited to deliver lecture on "Nitrogen cycle and extended NPZ model in Sundarban Mangrove ecosystem and adjacent Hooghly estuary - a simulation modelling approach" at the National Seminar on Computational and Mathematical Biology, Department of Mathematics, Institute of Chemical Technology, Mumbai.

October 24-27, 2016: Invited to deliver lecture on "Techniques of Dynamic Simulation modelling" at the 4th India Biodiversity Meet (IBM - 2016) organized by ISI, Kolkata and the Government College of Engineering and Textile Technology, Berhampur.

January 11-31, 2017: Refresher Course organized by the Department of Environmental Sciences, University of Burdwan;

- iii. Invited to deliver lecture as keynote speaker on "Systems Ecology: The Future Perspective."
- iv. Invited to deliver lecture on "Theoretical Dynamic Model in Ecology"
- v. Invited to deliver lecture on "Concept of robustness of ecological system through network analysis and its comparative study on Sundarban mangrove ecosystem" .
5. February 17-18, 2017: Invited to deliver lecture on "Different States of Ecosystem and the Concept of Ecosystem of Health" at the UGC-Sponsored National Seminar on Recent Advances in Biological Sciences organized by the Department. of Microbiology, Gurudas College in collaboration with IICB, Kolkata and Department of Zoology, Dum Dum Motijheel College, Kolkata.
6. March 16-17, 2017: Invited to deliver lecture on "Mass balanced model in ecology and its application in Sundarban mangrove ecosystem" at the National Conference on Mathematical and Theoretical biology (NCMTB-2017) organized by the Department of Mathematics, Jadavpur University, Kolkata.
7. March 18-19, 2017: Invited to deliver keynote talk on "Simulation Modelling and Empirical Research in Ecological Science" at the National Seminar & Workshop: Scientific Devices, Technology Applications & Community Linkage (STC 2017) organized by the Center for Research in Nanoscience and Nanotechnology, Technology Campus, University of Calcutta, Kolkata.
8. March 30-31, 2017: Invited to deliver keynote talk on "System ecology-the future perspective" at the Workshop on Modern Ecological and Agricultural Practices with Statistical Methodologies and R-Software organized by the North Eastern Hill University, Tura Campus, Meghalaya, India.

Ph.D Students

Moitreyee Banerjee

1. "Recent advances in Analysis of Multivariate Ecological Data: Theory and Practice". October 24th to 28th, 2016. International Centre for Theoretical Physics (ICTP), Trieste, Italy

Arnab Banerjee

1. "International Society for Ecological Modelling (ISEM) Global Conference - 2016", May 8th to

- 12th, 2016, Towson University, Baltimore, Maryland, USA
2. "Recent advances in Analysis of Multivariate Ecological Data: Theory and Practice". October 24th to 28th, 2016. International Centre for Theoretical Physics (ICTP), Trieste, Italy

Nabyendu Rakshit

1. "International Society for Ecological Modelling (ISEM) Global Conference - 2016", May 8th to 12th, 2016, Towson University, Baltimore, Maryland, USA

Sagar Adhurya

1. Young Ecologist Talk and Interact 2017, 4th to 7th January, 2017, Tezpur University, Assam Postdoc Students

Joyita Mukherjee

1. "Recent advances in Analysis of Multivariate Ecological Data: Theory and Practice". October 24th to 28th, 2016. International Centre for Theoretical Physics (ICTP), Trieste, Italy
2. "Modern Ecological and Agricultural Practices with Statistical Methodologies and R Software"- Workshop, 30th March to 31st March 2017, North Eastern Hill University, Tura Campus, Meghalaya, India

Ansuman Chattopadhyay

October 03-05, 2016: 1st International Conference on Nanocomputing and Nanobiotechnology (NanoBioCon-2016) organized at the Science City, Kolkata, India; Invited to deliver lecture on "Mentha arvensis (Linn.) mediated anticancer silver nanoparticles with antibacterial and non mutagenic attributes."

January 10-12, 2017: International Conference on Molecular Signaling: Basics to applications. AU -KBC Research Centre, Anna University, Chennai, India; Invited to deliver lecture on "Biogenic Silver Nanoparticles: anticancer and antimicrobial attributes."

February 17-18, 2017: National Conference on Advances of Life Sciences & Radiation Biology" organized By Department of Zoology, The University of Burdwan; Invited to deliver lecture on "Green Silver Nanoparticles: cytotoxic and mutagenic attributes."

Ph.D Scholars:

October 03-05, 2016: 1st International Conference on Nanocomputing and Nanobiotechnology (NanoBioCon-2016) organized at the Science City, Kolkata, India; Arindam Bandyopadhyay and Prajna Paramita Banerjee, presented poster on "Silver nanoparticles synthesized using aqueous leaf extract of *Thuja occidentalis*: cytotoxic and mutagenic effects on human peripheral blood lymphocytes."

February 17-18, 2017: National Conference on Advances of Life Sciences & Radiation Biology" organized By Department of Zoology, The University of Burdwan; Pallab Shaw, research scholar of Prof Ansuman Chattopadhyay, presented poster on "Chromium induced stress in Zebrafish; result of a preliminary study."

Dipak Kumar Mandal

17-19 February, 2016: Attended the 'International Conference on Aquatic Resources and Sustainable Management' organized by Central Calcutta Science and Culture Organisation for Youth and the University of Calcutta at Science City, Kolkata.

13-14 November 2016 Ishita Samajdar presented paper in the "1st Regional Science and Technological Congress (RSTC) Kolkata"

Samar Kumar Saha

17-19 February, 2016: Attended the 'International Conference on Aquatic Resources and Sustainable Management' organized by Central Calcutta Science and Culture Organisation for Youth and the University of Calcutta at Science City, Kolkata.

Larisha M. Lyndem

January 15-17, 2016: National Congress of Parasitology', Banaras Hindu University, Varanasi:

- i. Bidisha Ukil, Larisha M. Lyndem. "Anthelmintic effects of Senna plants on the neuroanatomy and mitochondria of the cestode parasite *Hymenolepis diminuta*- A preliminary approach".
- ii. Suranjana Nandi and Larisha M Lyndem. "Toxicity study of *Clerodendrum viscosum* on Swiss albino mice".

Sudipta Maitra

January 10-12, 2017: 5th International Conference on Molecular Signaling: Basics to applications. AU -KBC Research Centre, Anna University, Chennai, India; Soumojit Pal, UGC-SRF attended 5th International Conference on Molecular Signalling: Basics to Applications during January 10-12th, 2017 at AU-KBC Research Centre, Chennai.

Surjya Kumar Saikia

January 10-12, 2017: Delivered Invited lecture at the 5th International Conference on Molecular Signaling: Basics to applications. AU -KBC Research Centre, Anna University, Chennai, India.

Rakesh Kundu

October 21-23, 2016: Conference paper entitled, "In silico prediction of interaction between saponins and TGR5 related to diabetes mellitus", E.O. Cecilia, O.O. Elekofehinti, I.G. Adanlawo, R. Kundu, in Endocrine Society of India Conference 2016 (ESICON 2016), New Delhi.

January 10-12, 2017: 5th International Conference on Molecular Signalling: Basics to Applications, AU-KBC Research Centre, Chennai.

- i. Invited lecture entitled, "Fetuin-A plays a major role in free fatty acid induced β -cell dysfunction"
 - ii. Presented paper entitled, "Excess lipid inflicts pancreatic beta cell dysfunction via FFA-TLR4 pathway", A. Mukhuty, C. Fouzder and R. Kundu, in the 5th International Conference on Molecular Signalling: Basics to Applications, AU-KBC Research Centre, Chennai.
 - iii. Presented paper entitled, "A prospective inhibitor of Nrf2 in Non-small cell lung adenocarcinoma cell A549", C. Fouzder, A. Mukhuty and R. Kundu, in the 5th International Conference on Molecular Signalling: Basics to Applications, AU-KBC Research Centre, Chennai.
- " February 17-18, 2017: National Conference on Advances of Life Sciences and Radiation Biology, University of Burdwan, Burdwan.
- i. Invited talk
 - ii. Presented paper entitled, "Role of fetuin-A in pancreatic beta cell dysfunction", A. Mukhuty, C. Fouzder and R. Kundu
 - iii. Presented paper entitled, "Inhibition of Nrf2 in Non-small cell lung adenocarcinoma cell could enhance therapeutic efficacy", C. Fouzder, A. Mukhuty and R. Kundu.

Sutapa Mukherjee

February 17-18, 2017: Delivered invited lecture on "Lipid induces adipose tissue inflammation leading to insulin resistance and type 2 diabetes" at the National Conference on Advances of Life Sciences & Radiation Biology organized by the University of Burdwan, Burdwan, West Bengal, India

March 30-31, 2017: Delivered invited lecture on "High dietary fat induces modulation of oxidative status in adipose tissue of mice leading to insulin resistance" at the National Symposium on Oxidative Stress in Health and Disease organized by the Department of Biochemistry and Biophysics, University of Kalyani, Kalyani, West Bengal, India.

Ph.D Scholars

January 10-12, 2017: 5th International Conference on Molecular Signaling: Basics to applications. AU-KBC Research Centre, Anna University, Chennai, India.

- i. Songita Ghosh, Dipanjan Chattopadhyay and Sutapa Mukherjee, "Effect of high dietary fat on the oxidative status in adipose tissue of mice with lipid induced insulin resistance" at the
- ii. Mrityika Chattopadhyay, Sandip Mukherjee, Snehasish Das, Dipanjan Chattopadhyay, Sutapa Mukherjee and Samir Bhattacharya, "Fetuin-A downregulates adiponectin through Wnt-PPAR γ pathway in lipid induced insulin resistance and type 2 diabetes" at the 5th International Conference on Molecular Signaling: Basics to applications. AU-KBC Research Centre, Anna University, Chennai, India.
- iii. Soumik Agarwal, Soma Seal, Shirsha Mondal, Sutapa Mukherjee and Samir Bhattacharya, "Mahanine induces cell-cycle arrest and apoptosis via hippo pathway in prostate cancer cells" at the 5th International Conference on Molecular Signaling: Basics to applications. AU-KBC Research Centre, Anna University, Chennai, India.

February 17-18, 2017: Songita Ghosh, Dipanjan Chattopadhyay, Snehasish Das and Sutapa Mukherjee, "High dietary fat disrupts prooxidant-antioxidant balance in mice adipose tissue" at the National Conference on Advances of Life Sciences & Radiation Biology organized by the University of Burdwan, Burdwan, West Bengal, India;

Ongoing Research Projects in the Department

- i. Name of the Teacher: Santi P. Sinha Babu (PI)
- ii. Name of the Project: 'Ferulic acid from *Vitex negundo*: a potential compound for the control of bancroftian filariasis'
- iii. Sponsoring Agencies: UGC, Govt. of India (Grant No.: 42-534/2013 (SR))
- iv. Amount Sanctioned: Rupees 12,90,800
- i. Name of the Teacher: Santi P. Sinha Babu (PI); Samir Bhattacharya (Co-PI)
- ii. Name of the Project: 'A putative ligand of toll-like receptor 4 on filarial nematode: relevance to host-pathogen interactions'.
- iii. Sponsoring Agencies: DST, Govt. of India
- iv. Amount Sanctioned: Rupees 34,19,600
- i. Name of the Teacher: Santanu Ray (PI)
- ii. Name of the Project: 'Shallow water Benthic Communities & Food-web Dynamics: A case for Kakinada Bay and Coastal Andhra Pradesh' - in Collaboration with IISER, Kolkata and Andhra

University

- iii. Sponsoring Agencies: Ministry of Earth Sciences (MoES), Govt. of India (MoES/36/00IS/Extra/11/2012 DT 31.7.15)
- iv. Amount Sanctioned: Rupees 1,00,68,880/- approx. VB component Rupees 14,01,000/-
- i. Name of the Teacher: Ansuman Chattopadhyay (PI); Shelley Bhattacharya (Co-PI)
- ii. Name of the Project: 'Polymer supported green silver nanoparticles: using plants of north east India; studies on toxicity and anti-cancer property' in collaboration with Tezpur University, Assam).
- iii. Sponsoring Agencies: DBT, Govt. of India (Twinning Project Ref. No. BT/473/NE/TBP/2013)
- iv. Amount Sanctioned: Rupees 60,00,000 of which VB component Rupees 25,35,000
- i. Name of the Teacher: Ansuman Chattopadhyay (PI)
- ii. Name of the Project: 'Studies on anti-cancer activity of graphene oxide based gold nanoparticles and modulation of stress elements in normal and cancer cells'
- iii. Sponsoring Agencies: UGC-DAE, India
- iv. Amount Sanctioned: Rupees 7,95,000
- i. Name of the Teacher: Ansuman Chattopadhyay (PI)
- ii. Name of the Project: 'Genotoxicity and apoptosis induction after co-exposure to arsenic and fluoride in mammalian cells: effect on radiosensitivity and modulation of stress elements'
- iii. Sponsoring Agencies: UGC-DAE, India
- iv. Amount Sanctioned: Rupees 1,35,000
- i. Name of the Teacher: Sudipta Maitra (PI); Samir Bhattacharya (Co-PI); Surjya Kumar Saikia (Co-PI) in collaboration with Tezpur University, Assam
- ii. Name of the Project: 'Elucidating the mechanism and assessing amelioration potential of Ocimum and Lucasin stress-induced impaired energy homeostasis on growth and reproduction in Zebrafish'
- iii. Sponsoring Agencies: National Agricultural Science Fund (NASF), ICAR, New Delhi
- iv. Amount Sanctioned: Total Rupees 1,79,31,050 (Visva-Bharati Rupees 1,32,73,820)
- i. Name of the Teacher: Samir Bhattacharya (CC-PI); Surjya Kumar Saikia (CI); Rakesh Kundu (CI)
- ii. Name of the Project: 'Stock characterization, captive breeding, seed production and culture of Hilsa (Tenulosailisha)'
- iii. Sponsoring Agencies: ICAR, Govt. of India (Ref. No. NFBSFARA/3021/2012-13) Collaborative

Research Project

- iv. Amount Sanctioned: Rupees 159,74,780
- i. Name of the Teacher: Sutapa Mukherjee (PI); Samir Bhattacharya (Co-PI); Rakesh Kundu (Co-PI)
- ii. Name of the Project: 'To investigate whether lipid induced fetuin-A from adipocytes could link insulin resistance and immunity'.
- iii. Sponsoring Agencies: DST, Govt. of India
- iv. Amount Sanctioned: Rupees 32,34,000

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department.

- 1) The Teachers, Non-teaching staff, Research scholars and the students actively participated in celebrating the "Republic day", "Independence day" 'Gandhi Punyaha' "Fresher's welcome", "Teacher's day" in true spirit in the Department.
- 2) During this period, the following students delivered their Pre-Ph.D. Seminars:

Sl. No.	Date	Name	Topic
(i)	22.04.2016	Suprabhat Mukherjee	Role of toll-like receptor 4 mediated signalling pathway in inducing immune response in bancroftianfilariasis
(ii)	08.07.2016	SubhasishGhosh	Evaluation of nutritional value of Oxyahylahyla (Serville) meal in compound diet of Labeorohita (Hamilton)
(iii)	16.08.2016	Ankita Nandi	Probiotic effect of fish gut bacteria on growth and maintenance of health in carps
(iv)	24.11.2016	PrithaGhosh	Role of growth factors in the regulation of ovarian follicular growth in catfish
(v)	20.01.2017	IshitaSamajdar	Evaluation of the effects of organophosphate pesticides on the olfactory system of a freshwater fish, Labeobata (Hamilton, 1822)
(vi)	21.01.2017	Saptarshi Ray	Anthelmintic efficacy of leaf extracts of three species of Cassia plants on Hymenolepisdiminuta (Rudolphi, 1819)
(vii)	16.02.2017	Suranjana Nandi	An in vitro anthelmintic efficacy of Clerodendrum plant on Paramphistomumsp.
(viii)	23.02.2017	Priya Roy	Wolbachia, an endosymbiont of Wuchereriabancrofti a novel target for antifilarial chemotherapy
(ix)	24.03.2017	PradipMondal	Efficacy of melatonin in reducing the oxidative stress during the process of development and maturation of oocyte in carp, Catlacatla

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):

A. Academic distinction achieved by the Department

Recognized by the UGC, Govt. of India as Centre for Advanced Studies (CAS Department) since April 2007. The 1st CAS was successfully accomplished during April 2007- March, 2012, followed by the 2nd CAS from April 2012-2017. The Department is preparing application for the 3rd Phase of CAS.

B. Academic distinction achieved by the Teachers

Saumen Kumar Maitra

Associate Editor: 'Frontiers in Experimental Endocrinology' (USA).

Member of the Editorial Board of

- i. "International Journal of Clinical Endocrinology" (SciRes Literature LLC, USA).
- ii. "International Journal of Metabolic Syndromes" (SciRes Literature LLC, USA).
- iii. "Proceedings of the National Academy of Sciences, India Section: B Biological Sciences" (India).
- iv. "Juniper Online Journal of Nursing Health Care" (Juniper Publishing Group, United States)
- v. 'Journal of Zoo Biology' (ESci Journals Publishing, Pakistan)
- vi. 'National Science Academy Letters' (India)

Acted as a reviewer of the following journals:

- i. 'Annals of Aquaculture and Research'
- ii. 'Archives of Polish Fisheries'
- iii. 'Asian Fisheries Science Journal, (The Journal of the Asian Fisheries Society)'
- iv. 'Comparative Biochemistry and Physiology Part A'
- v. 'DNA and Cell Biology'
- vi. 'Ecotoxicology and Environmental Safety'
- vii. 'Environmental Science and Pollution Research'
- viii. 'Fish Physiology and Biochemistry'
- ix. 'Frontiers in Endocrinology'
- x. 'General and Comparative Endocrinology'
- xi. 'Neurochemistry International'
- xii. 'Reproduction, Fertility, and Development'
- xiii. 'Therapeutic Advances in Endocrinology and Metabolism'

Santi Prasad SinhaBabu

Member, DST-SERB Committee for National Post Doctoral Fellowship and Young Scientist.

Acted as a reviewer of the following journals:

- i. Experimental Parasitology (Elsevier);
- ii. Research in Veterinary Science (Elsevier),
- iii. RSC Advance; Springer Plus;
- iv. Tropical Biomedicine;
- v. BMC Infectious Diseases of Poverty.

Santanu Ray

Secretary, Austral-Asia Chapter, International Society for Ecological Modelling (ISEM) (www.isem.na.org)

Served as a Member of International Advisory Committee-The International Society for Ecological Modelling Global Conference 2016 - Organized by Towson University, Elsevier and International Society for Ecological Modelling, Baltimore, USA, 8-12 May, 2016

Member of International Steering Committee-The International Society for Ecological Modelling Global Conference 2017-Organized by Elsevier and International Society for Ecological Modelling, will be held on 17-21 September 2017, Ramada Plaza, Jeju, Republic of Korea

Associate editor of the journal -Ecological Modelling - An International Journal on Ecological Modelling and System Ecology published by ELSEVIER, Netherlands (from January, 2009 to continue)(<http://www.journals.elsevier.com/ecological-modelling/editorial-board/>)

Associate editor of the journal - Energy Ecology and Environment -published by SPRINGER (from November, 2015 to continue)

(<http://www.springer.com/energy/journal/40974?detailsPage=editorialBoard>)

Section Editor of the section Ecosystem and System Ecology of Encyclopedia of Ecology 2nd Edition- will be published by ELSEVIER

(www.mrw.elsevier.com/ECL2/)

Regional Editor of The Journal- Research Journal of Environmental and Earth Sciences published by MAXWELL Scientific Publication Corp. (www.maxwellsci.com/jp/j2p.php?jid=RJEES)

Member of the editorial board of International Journals:

- i. Ecological Informatics - published by ELSEVIER, Netherlands (from November, 2011 to continue) (<http://www.journals.elsevier.com/ecological-informatics>)
- ii. Network Biology- published by International Academy of Ecology and Environmental Sciences (www.iaees.org/publications/journals/nb/)
- iii. Computational Ecology and Software - published by International Academy of Ecology and Environmental Sciences www.iaees.org/publications/journals/ces/)
- iv. Chinese Journal of Population Resources and Environment - Taylor & Francis. (<http://tandfonline.com/toc/tpre20>)

Acted as a reviewer of the following journals

- i. Ecological Complexity - ELSEVIER, USA;
- ii. Ecological Modelling - ELSEVIER, Netherlands;
- iii. Journal of Biological Systems - World Scientific Publication Co., Canada;
- iv. BMC - Ecology - Biomedical Centre, Michigan, USA;
- v. International Journal of Phytoremediation - Taylor and Francis, USA;
- vi. Journal of Theoretical Biology - ELSEVIER, Netherlands;
- vii. Mathematical and dynamical systems in Biological Sciences, France;
- viii. Environmental Modelling and Software - ELSEVIER, USA;
- ix. Current Science - Indian Academy of Science, Bangalore, India;
- x. Research and Reviews in BioSciences- Trade Science Inc., India;
- xi. Journal of Theoretical and Experimental Biology - Elias Academic Publishers, India;
- xii. Ecological Engineering - ELSEVIER, USA;
- xiii. Climate Change- Springer;
- xiv. Ecological Informatics - ELSEVIER;
- xv. Applied Mathematical Modelling- ELSEVIER;

- xvi. Ecological Indicators - ELSEVIER;
- xvii. Environmental Modelling & Software - ELSEVIER;
- xviii. Natural Resource Modelling - Wiley Periodicals Inc.

Ansuman Chattopadhyay

" Acted as a reviewer of the following journals:

- i. Chemosphere (Elsevier), Biological Trace Element Research (Elsevier),
- ii. Journal of Applied Oral Science (Portugal),
- iii. Journal of Clinical and Diagnostic Research (India),
- iv. Fluoride (International Society for Fluoride Research, Newzealand),
- v. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences (NASI, Allahabad, India).

Dipak Kumar Mandal

" Acted as a reviewer of the journal: Journal of Chemistry and Ecology.

Samar Kumar Saha

Acted as a reviewer of the journal:

Based on the publications in the field of parasitology, Dr. Anirban Banerjee from his laboratory was awarded M. M. Chakravarty Memorial Gold Medal by the Zoological Society, Kolkata.

Larisha M. Lyndemacted as a reviewer of the following journals:

- i. Journal of Parasitic Diseases,
- ii. Journal of Helminthology,
- iii. Evidenced Based Complimentary and Alternative Medicine.
- iv. Natural Products and Research

Sudipta Maitra

Acted as a reviewer of the following journals:

- i. PLOS ONE, AQUACULTURE,
- ii. Journal of Bioscience and Biotechnology
- iii. Discovery, Gene (Elsevier).

Surjya Kumar Saikia

Acted as a reviewer of the following journal:

- i. Journal of Fish Biology.

Acted as a reviewer of the following journal:

- ii. Cancer Biotherapy and Radiopharmaceuticals
- iii. Oncology Letters
- iv. PLoS ONE

Sutapa Mukherjee

Acted as a reviewer of the following journal

- i. Phytomedicine.

C. Academic distinction achieved by the Scholars

Dr. Debrabrata Das who has worked under the research supervision of Dr. Sudipta Maitra, has been awarded Ph.D. degree on 18-07-2016 and joined MD Anderson Cancer Center, University of

Texas, Houston, US as Research Investigator- Genetics.

Ms. SubhasriSarkar, pursuing her Ph.D. under Dr. SudiptaMaitra, has been qualified in CSIR-UGC NET during the year. She has been offered INSPIRE Fellowship sponsored by Department of Science and Technology (DST), New Delhi, India.

Mr. SaradinduSaha, who joined lab as a Ph.D. Non-NET candidate, has qualified in GATE with high percentile during the year, and has been offered the position of "Teaching cum Research Assistantship" at IIT, Madras. He has resigned from Ph.D. program of Visva-Bharati to join his new position.

Publications within the year April 2016-March 2017

(i) Text books: Nil

(ii) Other books and Book Chapters

Books:

- 1) Surjya Kumar Saikia (2016) Writing science research paper: Step to step approach. ISBN 978-93-85892-32-5, Power Publishers, Kolkata, India.
- 2) Surjya Kumar Saikia, Student's Book on Organic Evolution, Systematics and Taxonomy, Publisher: Dreamhouse Publisher, Cuttack, Orissa (In press).

Book Chapters:

- 1) Maitra, S.K., Pal, P. K. (2017). Structural Diversity and Functional Integrity of the Fish Pineal Gland. In: "(Ed. A. Catalá), Nova Science Publishers, Inc. New York, USA. (inpress).
- 2) Victor H. Rivera-Monroy, Michael J. Osland, John W. Day, Santanu Ray, Andre Rovai, Richard H. Day, Joyita Mukherjee, Advancing Mangrove Macroecology. In: Mangrove Ecosystems: A Global Biogeographic Perspective Structure, Function and Services, Springer, USA
- 3) MdShabbir, Saha S. K. and Singh M. (2017) Toxicological study of organophosphorus pesticide and proposed detoxification method. Published in Hunger and Poverty: Causes, impacts and eradication sustaining future food security edited by Pandey D. and Sarkar A.: Chapter 9: pp. 211-220 Nova Science Publisher Inc.
- 4) Chatterjee S, Munshi C, Bhattacharya S (2016) The role of mTOR, autophagy, apoptosis and oxidative Stress during toxic metal injury. Molecules to medicine with mTOR translating critical pathways into novel therapeutic strategies. Kenneth Maise (Ed), ISBN: 978-0-12-802733-2, Elsevier Science and Technology.

(iii) Monographs: Nil

(iv) Research Papers (Authors, title of the papers, publication year, journal, volume no., pages)

- 1) Pal, P. K., Hasan, K. N., Maitra, S.K. (2016) Gut melatonin response to microbial infection in carp *Catla catla*. *Fish Physiology & Biochemistry*, 42: 579-592. DOI 10.1007/s10695-015-0161-167 (Impact Factor: 1.622)
- 2) Moniruzzaman, M., Hasan, K. N. and Maitra, S. K. (2016) Melatonin actions on ovaprim (synthetic GnRH and domperidone)-induced oocyte maturation in carp. *Reproduction*, 151: 285-296. DOI: 10.1530/REP-15-0391 (Impact factor: 3.174).
- 3) Pal, P. K., Hasan, K. N., Maitra, S.K. (2016) Temporal relationship between the daily profiles of gut melatonin, oxidative status and major digestive enzymes in carp *Catla catla*.

- BiologicalRhythm Research, 47: 755-771. DOI:10.1080/09291016.2016.1191697 (Impact Factor: 1.216)
- 4) Maitra, S.K. and Hasan, K. N. (2016) The role of melatonin as a hormone and an antioxidant in the control of fish reproduction. (Review). *Frontiers in Endocrinology*, 7: 38. DOI:10.3389/fendo.2016.00038
 - 5) Hasan, K. N., Pal, P. K., Maitra, S.K.(2016) Diurnal and seasonal profiles of melatonin in the liver and their correlates of ovarian functions under natural photo-thermal conditions in adult carp *Catlacatla*. *BiologicalRhythm Research*, 47, 947-965. DOI: 10.1080/09291016.2016.1212535 (Impact Factor: 1.216)
 - 6) Pal, P. K., Maitra, S.K.(2016) Neuronal control of gut melatonergic system in carp. *BAOJ Neuro (an open access journal)* 2: 024.
 - 7) Mondal, P., Hasan, K. N., Pal, P. K., Maitra, S.K. (2017) Influences of exogenous melatonin on the oocyte growth and oxidative status of ovary during different reproductive phases of an annual cycle in carp *Catlacatla*. *Theriogenology*, 87, 349-359. DOI:10.1016/j.theriogenology.2016.09.021 (Impact Factor: 2.146)
 - 8) Maitra, S.K., Pal, P. K. (2017). Melatonin rhythms in the pineal and non-pineal tissues and their physiological implications in sub-tropical fish (A Review Article). *BiologicalRhythm Research* (in press).
 - 9) Mukherjee N, Parida PK, Santra A, Ghosh T, Dutta A, Jana K, Misra AK, SinhaBabu SP (2016) Oxidative stress plays major role in mediating apoptosis in filarial nematode *Setariacervi* in the presence of trans-stilbene derivatives. *Free Radical Biology and Medicine* 93:130-144.
 - 10) Suprabhat Mukherjee, Sandip Mukherjee, Samir Bhattacharya, Santi Prasad SinhaBabu (2016) Surface proteins of *Setariacervi* induces inflammation in macrophage through Toll-like Receptor 4 (TLR4) mediated signaling pathway, *Parasite Immunology* DOI: 10.1111/pim.12389
 - 11) Suprabhat Mukherjee, Niladri Mukherjee, PrajnaGayen, Priya Roy, Santi Prasad SinhaBabu (2016) Metabolic inhibitors as antiparasitic drugs: Pharmacological, biochemical and molecular perspectives, *Current Drug Metabolism*, DOI: 10.2174/1389200217666161004143152
 - 12) Swadhin Kumar Saha, Priya Roy, Maloy Kumar Mondal, Debiprasad Roy, PrajnaGayen, PraneshChowdhury, Santi Prasad SinhaBabu (2016) Development of chitosan based gold nanomaterial as an efficient antifilarial agent: A mechanistic approach, *Carbohydrate Polymer*, 157, 1666-1676
 - 13) BiswajitDey, Suprabhat Mukherjee, Niladri Mukherjee, Ranjan Kumar Mondal, BiswarupSatpati, DulalSenapati, Santi Prasad SinhaBabu (2016) Green silver nanoparticles for drug transport, bioactivities and a bacterium (*Bacillus subtilis*)-mediated comparative nano-patterning feature, *RSC Advances*, 6,52
 - 14) ShovanMondal, Suprabhat Mukherjee, SunitiMalakar, SudarshanDebnath, Priya Roy, Santi Prasad SinhaBabu (2016) Studying the biological activities and molecular docking of some novel benzosultams and benzosultones, *Current Bioactive Compounds*, DOI: 10.2174/1573407212666161028160745
 - 15) PrasantaSaini, Swadhin Kr Saha, Priya Roy, PraneshChowdhury, Santi P SinhaBabu (2016) Evidence of reactive oxygen species (ROS) mediated apoptosis in *Setariacervi* induced by green silver nanoparticles from *Acacia auriculiformis* at a very low dose, *Experimental*

- Parasitology, 160, 39-48
- 16) Mukherjee S, Karmakar S, SinhaBabu SP (2016) TLR2 and TLR4 mediated host immune responses in major infectious diseases: A review. *Brazilian Journal of Infectious Diseases*. 20(2),193-2014 Doi: 10.1016/j.bjid.2015.10.011
 - 17) Roy P, Dhara D, Parida PK, Jana K, SinhaBabu SP, Misra AK (2016) C-Cinnamoyl glycosides as a new class of anti-filarial agents. *European Journal of Medicinal Chemistry* 114, 308-317.
 - 18) Saha SK, Roy P, Saini P, Mondal MK, Chowdhury P, SinhaBabu SP (2016) Carbohydrate polymer inspired silver nanoparticles for filaricidal and mosquitocidal activities: A comprehensive view. *Carbohydrate Polymers* 137:390-401.
 - 19) Suprabhat Mukherjee, Sandip Mukherjee, Tushar K. Maiti, Samir Bhattacharya, Santi Prasad SinhaBabu (2017) A novel ligand of Toll -like receptor 4 from the sheath of *Wuchereria bancrofti* microfilaria induces proinflammatory response in macrophages, *Journal of Infectious Diseases*, 215 (6) 954-965.
 - 20) Jana D, Ray S (2016) Impact of physical and behavioral prey refuge on the stability and bifurcation of Gause type Filippov prey-predator system. *Modeling Earth Systems and Environment* 2:24,1-15, DOI 10.1007/s40808-016-0077-y.
 - 21) Roy U, Sarwardi S, Majee NC, Ray S(2016) Effect of salinity and fish predation on zooplankton dynamics in Hooghly-Matla estuarine system, India. *Ecological Informatics* 35, 19-28.
 - 22) Roy U, Majee NC, Ray S (2016) Photosynthesis rate, salinity induced grazing rate and gestation delay as determinants of the dynamics of a realistic food chain model: a stochastic approach, *Modeling Earth Systems and Environment* 2:66, 1-10.
 - 23) Ujjwal Roy, N.C. Majee, Santanu Ray (2016) Temperature dependent growth rate of phytoplankton and salinity induced grazing rate of zooplankton as determinants of realistic multi-layered food chain model, *Modelling Earth Systems and Environment* 2.161, 1-11.
 - 24) Arnab Banerjee, Moitreyee Banerjee, Joyita Mukherjee, NabyenduRakshit, and Santanu Ray (2016) Trophic relationships and ecosystem functioning of Bakreswar Reservoir, India, *Ecological Informatics*, 36, 50-60.
 - 25) Banerjee M, Mukherjee J, Ray S (2017) A review on reservoir system and its ecology in Indian perspective. *Proceedings of the Zoological Society* 70, 5-20.
 - 26) Joyita Mukherjee, MahammedMoniruzzaman, SumanBhusanChakraborty, SovanLek,Santanu Ray(2017)Towards a physiological response of fishes under variable environmental conditions: an approach through neural network. *Ecological Indicator* 2, 198-206.
 - 27) MoitreyeeChakrabarty, Arnab Banerjee, Joyita Mukherjee, NabyenduRakshitand Santanu Ray(2017) Spatial Pattern Analysis of Zooplankton Community of Bakreswar Reservoir, India. *Energy Ecology and Environment* 2, 198-206.
 - 28) Arnab Banerjee, MoitreyeeChakrabarty, NabyenduRakshit, Joyita Mukherjee, Santanu Ray (2017) Indicators and assessment of ecosystem health of Bakreswar reservoir, India: an approach through network analysis. *Ecological Indicators*, 80, 163-173.
 - 29) NabyenduRakshit, Arnab Banerjee, Joyita Mukherjee andSantanu Ray (2017) Comparative study of food webs from two different time periods of Hooghly Matla estuarine system, India through network analysis. *Ecological Modelling*356, 25-37.
 - 30) Arnab Banerjee, Ursula M. Scharler, Brian D. FathandSantanu Ray. Determination and

- importance of keystone species in an ecosystem through a mass balanced network approach. *Ecological Modelling* (in press)
- 31) David E. Hines, and Stuart R. Borrett and Santanu Ray. Uncertainty analyses for ecological network analysis enables stronger inferences. *Methods in Ecology and Evolution* (in press)
 - 32) Barua S, Banerjee PP, Sadhu A, Sengupta A, Chatterjee S, Sarkar S, Barman S, Chattopadhyay A, Bhattacharya S, Mondal NC, Karak N (2016) Silver nanoparticles as antibacterial and anticancer materials against human breast, cervical and oral cancer cells. *Journal of Nanoscience and Nanotechnology*, 16: 1-9.
 - 33) Banerjee G, Sengupta A, Roy T, Banerjee PP, Chattopadhyay A, Ray AK (2016) Isolation and characterization of two fluoride resistant bacterial strains from fluoride endemic area of West Bengal, India: assessment of their fluoride absorption efficiency. *Fluoride* 49; 414-425.
 - 34) Mondal MK, Banerjee PP, Saha SK, Chowdhury P, Sengupta A, Bandyopadhyay A, Bhattacharya S, Chattopadhyay A (2016) Selective reduction technique (SRT): A robust method to synthesize Ag/Au-doped graphene oxide. *Materials and Design* 102; 186-195.
 - 35) Adhikari S, Sahana A, Ganguly D, Das S, Banerjee PP, Banerjee G, Chattopadhyay A, Sanmartin J, Brandao P, Felix V, Das D (2016) Molecular diversity in several pyridyl based Cu(II) complexes: Biophysical interaction and redox triggered fluorescence switch. *New Journal of Chemistry* 40; 10378-10388.
 - 36) Das D, Adhikari S, Ghosh A, Chattopadhyay A (2016) Colorimetric and fluorescence probe for detection of nanomolar lysine in aqueous medium. *Organic and Biomolecular Chemistry* 14; 10688-10694.
 - 37) Bandyopadhyay A, Banerjee PP, Shaw P, Mondal MK, Das VK, Chowdhury P, Karak N, Bhattacharya S, Chattopadhyay A (2016) Cytotoxic and Mutagenic Effects of *Thuja occidentalis* Mediated Silver Nanoparticles on Human Peripheral Blood Lymphocytes. *Materials Focus* 6 (3); 290-296 (7).
 - 38) Banerjee PP, Bandyopadhyay A, Nagesh HS, Policegoudra RS, Bhattacharya S, Karak N, Chattopadhyay A (2017) *Mentha arvensis* (Linn.) mediated green silver nanoparticles trigger caspase 9 dependent cell death in MCF7 and MDA-MB-231 cells. *Breast Cancer: Targets and Therapy* 9: 265-278.
 - 39) Samajdar I, Mandal DK (2016) Histological organization and fine structures of the apical surfaces of the olfactory epithelium of a carp, *Labeobata* (Hamilton). *International Journal of Pure and Applied Zoology* 4(2) 134-141 (ISSN No. 2320-9577).
 - 40) Ghosh S, Haldar P, Mandal DK (2016). Nutritional evaluation of a short horned grasshopper, *Oxyahyla Surville* (Orthoptera: acrididae) in search of new protein source. *Journal of Entomology and Zoology Studies* 4(1):193-197 (ISSN 2349-6800).
 - 41) Samajdar I, Mandal DK (2017) Histology and Surface Ultra-Structure of the gill of a minor carp, *Labeobata* (Hamilton). *J. Sci. Res.* 9 (2), 201-208.
 - 42) Banerjee A, Saha SK (2016) Histological and ultrastructural investigation of the female reproductive system of *Argulus bengalensis* Ramakrishna, 1951 (Crustacea: Branchiura). *Journal of Morphology* (In press) DOI: 10.1002/jmor. 20528.
 - 43) Banerjee A, Poddar S, Manna S, Saha SK (2016) Mutualistic association of rotifer *Philodina roseola* with the branchiuran fish ectoparasite *Argulus bengalensis* at its embryonic stage.

- Biology Letters (In press) DOI: rsbl.2015.1043.
- 44) Roy S, Kundu S, Lyndem LM (2016) Senna leaf extracts induced Ca²⁺ homeostasis in a zoonotic tapeworm *Hymenolepis diminuta* *Pharmaceutical Biology* <http://dx.doi.org/10.3109/13880209.2016.1139600>
 - 45) Kundu S, Roy S, Lyndem LM (2016) Synergistic effect of two combinations of Sennaplant on the tegument of a rat tapeworm *Hymenolepis diminuta*. *International Journal of Pharmacy and Pharmaceutical Sciences* 8:1 457-458
 - 46) S Roy, B Ukil and LMLyndem 2016. Acute and sub-acute toxicity studies on the effects of Sennaalata on Swiss Albino mice. *Cogent Biology* 2: 1272166
 - 47) Suranjana Nandi, BidishaUkil, Saptarshi Roy, SumanKundu and Larisha M. Lyndem 2016. Anthelmintic efficacy of *Clerodendrum viscosum* on fowl tapeworm *Raillietina tetragona*. *Pharmaceutical Biology* <http://dx.doi.org/10.1080/13880209.2016.1226367>.
 - 48) SumanKundu, Saptarshi Roy, Suranjana Nandi, BidishaUkil, Larisha M. Lyndem. 2016. *Senna alexandrina* Mill. Induced ultrastructural changes on *Hymenolepis diminuta* *Journal of Parasitic Diseases* DOI 10.1007/s12639-016-0768-3.
 - 49) Ghosh P, Das D, Juin S K., Hajra S, Kachari A, Das D N, Nath P, Maitra S (2016) Identification and partial characterization of *Olyra longicauda* (McClelland, 1842) vitellogenins: Seasonal variation in plasma, relative to estradiol-17- and ovarian growth. *Aquaculture Reports* 3:120-130.
 - 50) Das D, Pal S, Maitra S (2016) Releasing prophase arrest in zebrafish oocyte: synergism between maturational steroid and Igf1. *Reproduction* 151(1):59-72
 - 51) Das D, Khan PP, Maitra S (2016) Endocrine and paracrine regulation of meiotic cell cycle progression in teleost oocytes: cAMP at the centre of complex intra-oocyte signalling events. *General and Comparative Endocrinology*. doi: 10.1016/j.ygcen.2016.01.005.
 - 52) Das D, Nath P, Pal S, Hajra S, Ghosh P, Maitra S (2016) Expression of two insulin receptor subtypes, *insra* and *insrb*, in zebrafish (*Danio rerio*) ovary and involvement of insulin action in ovarian function. *General and Comparative Endocrinology*. 239:21-31 doi: 10.1016/j.ygcen.2016.02.005.
 - 53) . S. Hajra S, D. Das, P. Ghosh, S. Pal, P. Nath, S. Maitra (2016). Regulation of recombinant human insulin- induced maturational events in *Clarias batrachus* (L.) oocytes in vitro. *Zygote* 24:181-194.
 - 54) S. Mahapatra, Sk. Kabita, D. Bhattacharya, S. Sarkar, S. K. Juin, S. Maitra, P. Nath (2017). Purification and development of ELISAs for two forms of vitellogenin in Indian walking catfish, *Clarias batrachus* (L.) *Fish Physiology and Biochemistry* DOI 10.1007/s10695-016-0304-5. Epub 2017 Feb 28
 - 55) D. Das D, PP Khan, S Maitra (2017). Endocrine and paracrine regulation of meiotic cell cycle progression in teleost oocytes: cAMP at the centre of complex intra-oocyte signalling events. *General and Comparative Endocrinology* 241:33-40.
 - 56) Saikia SK (2016) Food and feeding in fishes. What we need to know? *Transylvanian Review of Systematical and Ecological Research*. DOI: <https://doi.org/10.1515/trser-2015-0049>
 - 57) Nandi S, Saikia SK (2016) Does size matter? Observation on the availability of micronutrients in two different sizes of small freshwater fish *Amblypharyngodon mola* (Hamilton, 1822).

- International Journal of Fisheries and Aquatic Studies 4 (5), 17-19.
- 58) Saikia SK (2017) On the methodology of feeding ecology in fish. European Journal of Ecology, DOI: <https://doi.org/10.1515/eje-2016-0004>
- 59) Das S, Kundu R, Bhattacharyya P, Duary B, Bhattacharya SS (2016) Variability in soil attributes influences availability of phenolic compounds and carlinoside: a valuable anti-hepatitic compound from *Cajanuscajan* (Linn.) leaves. Current Science.
- 60) Banerjee G, Mukherjee S, Bhattacharya S, Ray AK (2016) Purification and characterization of extracellular protease and amylase produced by the bacterial strain, *Corynebacteriumalkanoalyticum* ATH3 isolated from fish gut. Arabian Journal for Science and Engineering, 41: 9-16. DOI: 10.1007/s13369-015-1809-4
- 61) Banerjee G, Ray A, Das SK, Kumar R, Ray AK (2016) Chemical extraction and optimization of intracellular β -galactosidase production from the bacterium *Arthrobacteroxydans* using Box-Behnken design of response surface methodology. Acta Alimentaria, 45(1): 93-103. DOI: 10.1556/066.2016.45.1.12
- 62) Banerjee G, Nandi A, Dan SK, Ghosh P, Ray AK (2016) Mode of association, enzyme producing ability and identification of autochthonous bacteria in the gastrointestinal tract of two Indian air-breathing fish, murrel (*Channapunctatus*) and stinging catfish (*Heteropneustesfossilis*). Proceedings of the Zoological Society DOI: 10.1007/s12595-016-0167-x
- 63) Mukhopadhyay S, Bhattacharya S (2016) Plasma fetuin-A triggers inflammatory changes in macrophages and adipocytes by acting as an adaptor protein between NEFA and TLR-4. Diabetologia. 59(4):859-60.
- 64) Agarwal S, Chattopadhyay M, Mukherjee S, Dasgupta S, Mukhopadhyay S, Bhattacharya S (2017). Fetuin-A downregulates adiponectin through Wnt-PPAR γ pathway in lipid induced inflamed adipocyte. BBA-Molecular Basis of Disease 1863: 174-181.
- 65) Mukherjee S, Chattopadhyay M, Bhattacharya S, Dasgupta S, Hussain S, Bharadwaj SK, Talukdar D, Usmani A, Pradhan BS, Majumdar SS, Chattopadhyay P, Mukhopadhyay S, Maity TK, Chaudhur MK, Bhattacharya S (2017) A small insulinomimetic molecule also improves insulin sensitivity in diabetic mice. PLOS ONE DOI:10.1371/journal.pone.0169809.
- (v) Number of papers published in peer-reviewed journals: National/ International

National: 03 and International: 62

Name of the Faculty	Citations	H-Index	Since 2012
			i10-Index
Saumen Kumar Maitra	519	13	21
Santi Prasad Sinha Babu	628	13	23
Santanu Ray	607	12	19
Ansuman Chattopadhyay	368	11	11
Dipak Kumar Mandal	86	5	3
Samar Kumar Saha	81	5	1
Larisha M. Lyndem	79	6	2
Sudipta Maitra	556	8	8
Surjya Kumar Saikia	143	7	5

Rakesh Kundu	534	7	7
Sutapa Mukherjee	131	7	6

Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

Choice-based credit system for B.Sc. and M.Sc. and compulsory course work for Ph.D. has been introduced. Presently, the syllabi of B.Sc. (Hons.), M.Sc. and Ph.D. Course Work are being revised. Seminar library and reading room facility renovated.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

About the department

The Department of Zoology, one of the pioneer departments under Siksha-Bhavana (Institute of Science) has a proud history of dedicated academic service for more than 47 years in teaching and research. The steady progress and development of the department is evident from our noteworthy achievements like the introduction of new courses of higher education, increase in the student intake capacity and faculty positions, interdisciplinary teaching and research in the frontier fields of Life Sciences, quantum of external funding for research, number of ongoing research projects, number of Ph.Ds produced, number of research papers published in international and national journals, number of patents filed, and MOU signed for collaborative research with Research Institutes.

The courses offered by the department at present are B.Sc. (Honours) and M.Sc in Zoology. Our continued efforts in the coming years would be to build up this department to a Centre of Excellence with all modern facilities for teaching and research, to attract best students and researchers from all parts of the country and to provide quality education in this serene ashram campus of Santiniketan where the whole world meets in single nest. This department has well developed infrastructure and sophisticated equipments for undertaking in-depth research in any branch of Integrative Biology. The excellent performances and success of the department in teaching, research is reflected by the placements of our students both in India and abroad. The department has been recognized by UGC for providing special assistance under SAP in 1994 and thereafter received grants like COSIST from UGC and FIST from DST. Because of the continued quality of teaching and research, UGC has recognized the department as Center of Advanced Study (CAS) in Zoology. The 1st CAS was successfully accomplished during April 2007-March 2012. The 2nd CAS has been initiated from April 01, 2012 and will continue for the next five years. DST-FIST (Level-II) has also been initiated from 2012.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

In order to expose the students to latest information in the modern fields of Biology and to attract them into active scientific research, our curriculum contains provisions for student initiatives like write-ups, seminars, project works, field works. Thus they get exposed to the vast biological literature other than text books. The subject of Zoology cannot be learned without practical classes and direct experience with the vast array of animals, their external and internal morphology, structural

and functional relationships with other animal groups, interaction with the environment and ecological strategies, and evolutionary trends in the anatomical, biochemical, genetic and molecular architecture. Therefore the existing syllabus gives more or less equal importance to both theoretical and practical courses. The department has trained persons to handle the live/preserved animal specimens used for teaching and research. The existing animal room is small but has all the facilities to house rabbits, mice and rats required for general classes and research. However, a bigger animal house with proper facilities for housing different groups of animals as per the recommendations of the Animal Ethics Committee is required. The department has placed a proposal for Animal House which is under processing. The department takes all measures to ensure the ethical aspects of preparing the animals for class and research purposes. The existing syllabus contains the minimum use of only easily available/cultivable groups of animals for practical demonstration and other experiments. Our students in undergraduate and postgraduate courses receive the best practical training not only in all aspects of Zoology but also in other branches of Life sciences like Biochemistry, Cell Biology, Genetics, Ecology, Immunology, and learn modern experimental techniques using sophisticated equipment. We proudly acknowledge that this type of advanced facilities could be created for the benefit of students only through the generous grants received from the UGC and DST for infrastructure development and by the hard labour of teachers. However, we are now facing acute shortage of space for further extensions of the building and development of student amenities like class rooms, practical labs, research labs, animal/fish rearing rooms, toilets, etc. At present, with the increase in the number of Ph.D. students' and to accommodate OBC students the department urgently requires additional rooms.

DEPARTMENT OF BOTANY

Students qualified in NET/SET/GATE

Animesh Sen (CSIR NET JRF) Ranking 72/GATE

Arka Mandal (CSIR NET JRF) Ranking 141

Kazi Tawsif Ahmed (CSIR NET JRF) Ranking 143

Moumita Sahu (CSIR NET LS)

Pralay Garai (NET-CSIR)

Sucheta Mandal (GATE)

Eshayan Tanveer (GATE)

Krishna Palit (GATE)

Departmental Seminar/Workshop:

Seminar

Dr. Allan Bruce Downie, Seed Biology Unit, Department of Horticulture, University of Kentucky, Lexington, USA, visited the Department of Botany, Visva-Bharati as a B.P. Pal Chair awardee under the visiting programme organized by INSA and delivered a lecture on “Towards a molecular understanding of seed longevity and vigor” on 28.10.2016.

Prof. Rudolf Valenta, Center for Pathophysiology, Infectology and Immunology of Medical University of Vienna, Austria delivered a lecture on “Allergy to plants: From pathomechanisms to diagnosis, therapy and prevention” on 07.02.2017.

One Day seminar was held in the Department on 19.02.2017. Speakers were- Dr. S.K. Barik, Dr. Sudip Chattopadhyay, Dr. Gour Gopal Maity and Dr. Sri Narayan Ojha.

National Seminar on Plant and Microbial Resources: Utilization and Conservation. March 15-16, 2017

(ii) **Workshop** Nil

4. (a) National and International Standard Conferences/Seminars/Workshops etc. attended by the faculty member:

Sukanta K Sen

Delivered a Lead Talk in the National Conference organized by the Department of Microbiology and Bioinformatics, Bilaspur University, Bilaspur during September 12-13, 2016 and Chaired a Plenary Session.

Samit Ray

1. Delivered invited lecture entitled, “Charalean species diversity and their conservation” and presented two contributory papers entitled, “Variation in gametophytic and sporophytic features among three populations of *Funaria hygrometrica* Hedw. and their taxonomic significance” and “Physiological properties of some mat-forming cyanobacterial species isolated from thermal springs of West Bengal” in All India Conference of The Indian Botanical Society and National symposium on “New approaches and recent challenges in Botany” held in Ranchi, Jharkhand during 21th – 23th October, 2016.

2. Delivered **invited lecture** entitled, “A new approach to study morphometric variation of moss at population level” in the International Conference on “The Green Planet: past, present and future” held at University of Calcutta in collaboration with BSI and Probir Chatterjee Research Foundation from 21-23 December, 2016.

Kashinath Bhattacharya:

1. Delivered the **Presidential Lecture** on “Origin and evolution of land plants” in the 19th National Conference on Aerobiology held at Bose Institute, Kolkata from 09 -11 December 2016.
2. Delivered **invited lecture** on “Canonical correspondence analysis- a tool to reconstruct the past tropical vegetation in West Bengal, India using pollen data” and also chaired a session in the 104 Indian Science Congress (Environmental Sciences Section) held from 3-7 January, 2017 at S.V. University, Tirupati
3. Delivered **invited lecture** entitled, “Reconstruction of tropical dry deciduous biome in West Bengal, India using pollen data – Altitudinal Gradients” in the International Conference on “The Green Planet: past, present and future” held at University of Calcutta from 21-23 December, 2016.
4. Delivered **Invited lecture** on “Evolution of early land plants and their diversity” on 8th December in the Department of Botany and Forestry, Vidyasagar University.
5. Delivered **lecture as Chief Guest** on “Origin of life” in the Science Seminar Sigma at St. Xavier’s College, Kolkata on 16th February 2017.

Nirmalya Banerjee:

1. Attended and presented paper in UGC-DRS sponsored National Seminar on “Plant and Microbe: Diversity and Utilization”, Department of Botany, Visva-Bharati, Santiniketan.

Rup Kumar Kar:

1. Delivered **Invited lecture** on the topic “ROS, a major candidate in regulation of plant growth and development” in the International Conference on Molecular Biology of Stress Responses of Phototrophs (MBSR-2016) held at Department of Biotechnology, Indira Gandhi National Tribal University, Amarkantak, Chhattisgarh during November 12-14, 2016.

Narayan Chandra Mandal:

1. Delivered **Invited Talk** in the 104th Indian Science Congress, Environmental Science Section, held at Tirupati from January 3-7, 2017 and also Chaired an Oral Technical session and judged poster session in the above Congress.
2. Delivered a talk on ‘Possible application of plant growth promoting bacteria and probiotic lactic acid bacteria for protection of tea crop as well as prevention of their spoilage’ in the Workshop on Organic Tea as a Resource Person at Kurseong, organized by Tea Board of India, 23rd to 24th July, 2016
3. Acted as Resource Person and delivered a talk on ‘Lactic acid bacteria are prospective sources of antimicrobial and antifungal agents’ in the Workshop ‘Recent Trends in Industrial Biotechnology’ during November 14 – 18, 2016 at NIT, Durgapur, W.B.

Subrata Mondal:

1. “Bird-flower interaction and pollination of some plants from lateritic belt of West Bengal.” “Harmony 2016: National Conference on harmony with nature in context of resource conser-

vation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at VinobaBhave University Hazaribug, Jharkhand, India, during 22nd - 24th October, 2016.

2. “Flowering phenology, pollen dispersal and pollination of two allergenic plants of Euphorbiaceae.” 19th national conference of “Indian Aerobiological Society” held at Bose Institute, Kolkata, during 09th -11th December, 2016.
3. ‘Floral biology, flower-visitor interaction and pollination of two species of Euphorbiaceae’. National Seminar on ‘Advances in biological science research’ held at Department of Botany, Nagaland University, Lumami, Nagaland, during 28th February-1st March, 2017.
4. “Pollination Biology and Conservation of Bio-resources”. National Seminar on “Biodiversity conservation and livelihood management in Similipal Biosphere Reserve, Odisha (BCLMSBR-2017)” held at Department of Zoology, North Orissa University, during 29th -30th March, 2017

Chowdhury Habibur Rahaman:

1. 21st October, 2016: Participated and Presented Paper in the XXXIX All India Conference of the Indian Botanical Society and National Symposium on “*New Approaches and Recent Challenges in Botany*” organized by Department of Botany, Ranchi University, Ranchi, Jharkhand (India) during 21th – 23th October, 2016. Chaired and acted as Judge in one Scientific Session.
2. 23rd December, 2016 : Delivered an Invited Lecture in the UGC sponsored one-day Seminar on “Bioprospecting and Biotechnology of Plants” organized by Burdwan Women’s College, Burdwan, West Bengal. Title of the lecture - Medicinal plant resources – its Bioprospecting and Conservation.
3. 16th March, 2017: Acted as a Member of the Organizing Committee of the National Seminar on “*Plant and Microbial Resources: Utilization and Conservation*” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th -16th March, 2017.

Adani Lokho:

- i. National workshop on “Problem on accessibility in Elementary Education by Schedule castes, Schedule tribes other backward classes: “A Study in Hingalganj block” and “Impact study on sponsorship programme of FADV: A study of their partner organization in West Bengal and Assam” organized by the department of Social work, Visva Bharati in association with FADV and Andrewspalli Centre for Integrated Development (ACID) on 17th August 2016, at Conference Hall, Visva Bharati, Santiniketan.
- ii. National seminar on “Plant and Microbe: Diversity and Utilization” on 19th to 20th March 2016, organized by Department of Botany, Visva Bharati, Santiniketan.
- iii. National seminar on “Relevance of Dr. B. R. Ambedkar for inclusive Development in India” organized by the SC, ST, OBC Employees Welfare Association of Visva Bharati on 14th April 2016 at Lipika, Visva Bharati, Santiniketan.
- iv. National seminar on “Human Rights and Social Justice” organized by SC, ST < OBC Employees Welfare Assocation of Visva Bharati in Assocation with Visva Bharati on 13th and 14th April 2017, at Lipika, Visva Bharati, Santiniketan.

- v. Participated “UGC sponsored Refresher Course in Biological Sciences” from 26th August to 15th September, 2016 at UGC Human Resource Development Centre at University of North Bengal, Raja Rammohunpur, Darjeeling, West Bengal.
- vi. National seminar on “ Plant and Microbial Resources, Utilization and Conservation on 15th to 16th March 2017, organized by Department of Botany, Visva Bharati, Santiniketan.

Hema Gupta (Joshi)

Winter School in Biological Science (RC) from 5th January, 2017 to 25th January, 2017 at UGC-HRDC, Burdwan University, Burdwan.

Bomba Dam:

1. Attended and presented two posters in a National Seminar organized by Bose Institute, Kolkata on 17th October 2016

Anjalika Roy:

1. Attended and presented paper entitled, “Test of seed tolerance of *Pisum sativum* using Carbendazim and Sodium Chloride” in National Conference on Self-Sufficiency in Pluses: challenges and way forward 19- 20 November 2016, PSB Visva- Bharati and BCC & i.
2. Attended and presented paper entitled, “The effect of fungicides on somatic chromosomes and quantitative protein on the seeds of selected legumes” in National seminar on Plants, The Natural Wonder: issues and concerns 4-5 October 2016, Department of Botany, Sonamukhi College with Bankura Christain College.
3. Attended and presented a Poster on Comparative study of mitotoxicity, antioxidant and antifungal activity among three species of *Solanum* in International conference on The Green Planet-Past, present and Future 21-23 December 2016, Department of Botany, University of Calcutta.
4. Attended and presented paper entitled, “Modulatory effect of phytohormones on allergenic pollen grains of *Catharanthus roseus*” in National Conference on Nonlinear Dynamics and its application February 7-9, 2017, Durgapur Govt. College.
5. Attended 2nd workshop on Statistical Techniques used in Research at Department of Statistics, Burdwan University. 21-24 December 2017.

5. National and International Standard Conferences/Symposia/Workshops attended by Research Scholars/Associates:

Shewli Bhattacharya attended and presented a paper in the All India Conference of The Indian Botanical Society and National symposium on “New approaches and recent challenges in Botany” held in Ranchi, Jharkhand in 2016. She was awarded first prize in the **Best poster presentation**.

Partha Karak attended and presented a paper in the best poster session and was awarded first in the **Best Poster Session** in the 104th Indian Science Congress (Environment Sciences section) held in Tirupati from 3-7 January, 2017.

Partha Karak attended and presented a paper in the P.H.Gregory Award oral competition and was awarded **P.H. Gregory Gold Medal** in the 19th Indian Aerobiological Conference held at Bose Institute from 9-1 December 2016.

Tanmoy Basak attended and presented a paper in the 6th European Symposium on Aerobiology of The European Aerobiology Society held at Lyon, France from 18-22 July, 2016. His participation was sponsored by DST, Govt. of India.

Mouli Saha attended and presented a paper in the 35 European Academy of Allergy and Clinical Immunology (EAACI) Congress held at Vienna, Austria from 11-15 June 2016. Her participation was sponsored by EAACI.

Shipra Roy attended and presented a paper in the 19th Indian Aerobiological Conference held at Bose Institute from 9-1 December 2016.

Rajat Kanti Sarkar attended and presented a paper in the 19th Indian Aerobiological Conference held at Bose Institute from 9-1 December 2016.

Jeeta Sarkar attended and presented paper in the International Conference on “The Green Planet: past, present and future” held during 21-23rd December, 2016, in the Department of Botany, University of Calcutta.

Anirban Paul attended and presented paper in the UGC-DRS sponsored National Seminar on “Plant and Microbe: Diversity and Utilization” held in the Department of Botany, Visva-Bharati, Santiniketan, 2016

Sumana Aditya attended and presented paper in the UGC-DRS sponsored National Seminar on “Plant and Microbe: Diversity and Utilization” held in the Department of Botany, Visva-Bharati, Santiniketan, 2016

Tustu Mondal attended and presented paper in the UGC-DRS sponsored National Seminar on “Plant and Microbe: Diversity and Utilization” held in the Department of Botany, Visva-Bharati, Santiniketan, 2016

Soumi Bhattacharya attended and presented paper in the UGC-DRS sponsored National Seminar on “Plant and Microbe: Diversity and Utilization” held in the Department of Botany, Visva-Bharati, Santiniketan, 2016.

Pralay Shankar Gorai

(i) Participated in “International Conference On Translational Research And Workshop On Flow Cytometry”, 16-18 April, 2016, Bose Institute, Kolkata.

(ii) Presented (oral) paper on “ Antifungal activity of thermotolerant endophytic bacteria of *Azadirachta indica* A. Juss growing at Bakreshwar hot spring” at 1st Regional Science & Technology Congress-2016, Bardhaman Division, W.B. 7-8 November, 2016.

(iii) participated on “National Training Programme on Molecular Techniques to Microbial Community Structure and Identification” ICAR-NBAIM, UP, January 2-9, 2017.

Sohini Chatterjee presented (oral) paper on “Evaluation of antibacterial and antioxidant potentials of one endophytic fungus of *Azadirachta indica* A. Juss” at 1st Regional Science & Technology Congress-2016, Bardhaman Division, W.B. 7-8 November, 2016.

Satinath Das presented (oral) paper on “*Burkholderiacepacia*, a potent rhizobacterium from *Trichosanthes dioica* exhibits remarkable plant growth promoting and antifungal activity.” at 1st Regional Science & Technology Congress-2016, Bardhaman Division, W.B. 7-8 November, 2016.

Soma Barman

- (i) Presented (oral) paper on “Plant growth promoting (PGP) attributes of potent indole acetic acid (IAA) producing bacterial strain *Serratia marcescens* ST16, isolated from rhizospheric soils of potato plants” at 1st Regional Science & Technology Congress-2016, Bardhaman Division, W.B. 7-8 November, 2016.
- (ii) Attended workshop conducted by Elsevier in association with DST, WB at Kolkata on 2nd December, 2016.

Nisith Ranjan Sarkar :

“Effect of sucrose and boric acid on *in vitro* polyad germination of *Pithecellobium dulce* (Roxb.) Benth.” “Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India, during 22nd -24th October, 2016 .

Hemanta Saha:

- (i) “Studies on *in vitro* pollen germination and tube development of *Trichosanthes anguina* L.” “Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India, during 22nd -24th October, 2016.
- (ii) Flower- visitor interaction and pollination of *Benincasa hispida* (Thunb.) Cogn. National Seminar on ‘Plant and Microbial Resources: Utilization and Conservation’, held at the Department of Botany, Visva-Bharati, Santiniketan during 15th – 16th March, 2017.

Kiran Kumar Mondal: “A contribution to some ethno-medicinally important weeds of lateritic zone of West Bengal, India” . “Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India , during 22nd -24th October, 2016.

Ramanjan Ghanta:

- (i) “Heavy metals- a threat to pollen viability”. “Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India, during 22nd -24th October, 2016.
- (ii) “Pollen dispersal in two species of *Bauhinia* L. – a potential source of pollen allergy” . 19th national conference of Indian Aerobiological Society, held at Bose Institute, Kolkata, during 09th -11th December, 2016.
- (iii) “Heavy metals – a threat to pollen viability of *Withania somnifera* (L.) Dunal”. National Seminar on ‘Advances in biological science research’, held at Department of Botany, Nagaland University, Lumami, Nagaland, during 28th February-1st March, 2017
- (iii) Effect of heavy metal toxicity on pollen viability of *Ixora pavetta* Andr. In the National Seminar on ‘Plant and Microbial Resources: Utilization and Conservation’, held at the Department of Botany, Visva-Bharati, Santiniketan, during 15th – 16th March, 2017.

- (iv) “Heavy metals toxicity and loss of pollen viability of *Wrightia tomentosa* Roem. & Schult.” In the National Seminar on “Biodiversity conservation and livelihood management in Similipal Biosphere Reserve, Odisha (BCLMSBR-2017)”. Held at Department of Zoology, North Orissa University. During 29th-30th March, 2017

Megha Dutta Mudi:

- (i) “Flowering phenology and pollination of *Putranjiva roxburghii* Wall.” in the Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India, during 22nd -24th October, 2016.
- (ii) Contribution of ants to the pollination of some taxa of Euphorbiaceae. In the National Seminar on ‘Plant and Microbial Resources: Utilization and Conservation’, held at the Department of Botany, Visva-Bharati, Santiniketan, during 15th – 16th March, 2017.

Soumitra Pal:

- (i) “Bee-flower interaction of *Feronia limonia* (L.) Swing. with reference to pollen dispersal and pollination” in the “Harmony 2016: National Conference on harmony with nature in context of resource conservation and climate change” Jointly organized by Departments of Zoology, Botany, Biotechnology & Geology, held at Vinoba Bhave University Hazaribug, Jharkhand, India, during 22nd -24th October, 2016.
- (ii) “Bee-flower interaction and pollination of *Aegle marmelos* (L.) Correa.” in the 19th national conference of Indian Aerobiological Society, held at Bose Institute, Kolkata, during 09th -11th December, 2016
- (iii) “Effects of fungicides on *in-vitro* pollen germination and tube growth of *Asparagus racemosus* Willd.” in the National Seminar on ‘Advances in biological science research’, held at Department of Botany, Nagaland University, Lumami, Nagaland, during 28th February-1st March, 2017.
- (iii) Floral biology, flower visitors interaction and bee pollination of indian kino (*Pterocarpus marsupium* Roxb.). In the National Seminar on ‘Plant and Microbial Resources: Utilization and Conservation’, held at the Department of Botany, Visva-Bharati, Santiniketan, during 15th – 16th March, 2017.

Arka Mandal participated in the XXXII UGC-NRCBS winter school on Functional and Integrative Genomics from 18 to 31st January 2017 at Madurai Kamaraj University.

Sangita Ganguli comparative analysis of N-transformation, microbial immobilization and viable nitrifier community size in two forest ecosystems of lateritic zone of West Bengal. Presented paper (oral) in the 104th Indian Science Congress, 3rd to 7th January, 2017 at Shri Venkateshwar University, Tirupati, Andhra Pradesh, India.

Santu Malakar Species diversity and vegetation composition in selected overburden dumps of Raniganj coalfields, West Bengal. Presented paper (poster) in the 104th Indian Science Congress, 3rd to 7th January, 2017 at Shri Venkateshwar University, Tirupati, Andhra Pradesh, India.

Aniruddha Nag Population and regeneration status of selected tree species in three dry deciduous forests of West Bengal. Presented paper (poster) in the 104th Indian Science Congress, 3rd to 7th January, 2016 at Shri Venkateshwar University, Tirupati, Andhra Pradesh, India.

Shailen Bhakat: Participated in the INDO-GERMAN WORKSHOP ON Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017) Feb 14-16, 2017 jointly organised by Department of Chemistry, IIT (BHU) Varanasi, India & Department of Biomolecular Systems Max-Planck Institute of Colloids and Interfaces Berlin, Germany.

Animesh Sen: Participated in the UGC-NRCBS winter school on Protein purification technology & coral reef monitoring techniques held in Madurai Kamaraj University, Madurai held from March 1-14, 2017.

Bandana Pradhan

- (i) 21st October, 2016: Participated and **Presented Paper** in the **XXXIX All India Conference of the Indian Botanical Society and National Symposium** on “*New Approaches and Recent Challenges in Botany*” organized by Department of Botany, Ranchi University, Ranchi, Jharkhand (India) during 21th – 23th October, 2016. Title of the paper- Documentation of Medicinal plant diversity of Birbhum district, West Bengal, India.
- (ii) 16th March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th-16th March, 2017. Title of the paper- “Studies in diversity and distribution status of plant species in Chorchor forest, Birbhum district, West Bengal, India”.

Kumaresh Pal

- (i) 21st October, 2016: Participated and made **an oral** presentation in the **XXXIX All India Conference of the Indian Botanical Society and National Symposium** on “*New Approaches and Recent Challenges in Botany*” organized by Department of Botany, Ranchi University, Ranchi, Jharkhand (India) during 21th – 23th October, 2016. Title of the paper- Phytochemical, Antioxidant and Antimicrobial Studies of *Ventilago denticulata* Willd. – An Ethnomedicinal Plant.
- (ii) 16th March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th-16th March, 2017. Title of the paper- Phytochemical, Antioxidant and Antimicrobial Studies of *Flacourtia indica* (Burm.F.) Merr. – An Ethnomedicinal Plant”.

Swarnendu Mondal

19th March 2016: Participated and presented paper in the **National Seminar** on *Plant and Microbe : Diversity and Utilization* organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

Suman Karmakar

- (i) 14th-15th January, 2017: Participated the Botanical Survey of India sponsored workshop on “**Training on Basics of Plant Nomenclature**”, organized by Envis Centre on Floral Diversity in collaboration with Central National Herbarium, Botanical Survey of India, Howrah-711103 during 14th-15th January, 2017.
- (ii) 9th- 12th February, 2017: Participated the Botanical Survey of India sponsored **workshop** on “**Botanical Nomenclature Course**” organized by Botanical Survey of India, Western Re-

gional Circle, Pune, Maharashtra during 9th- 12th February, 2017. Course Director - Dr. K. N. Gandhi, University of Harvard, U.S.A., very renowned plant taxonomist.

Suman Kalyan Mandal

- (i) 21st October, 2016: Participated and **Presented Paper** in the **XXXIX All India Conference of the Indian Botanical Society and National Symposium** on “*New Approaches and Recent Challenges in Botany*” organized by Department of Botany, Ranchi University, Ranchi, Jharkhand (India) during 21th – 23th October, 2016. Title of the paper- Traditional therapeutic remedies used by the tribal people for treatment of livestock diseases in Birbhum District, West Bengal: A quantitative approach.
- (ii) 16th March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th -16th March, 2017. Title of the paper- Indigenous phytotherapy for Livestock diseases practiced in Birbhum District, West Bengal, India: a quantitative approach”.

Partha Ghosh

- (i) 16th March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th -16th March, 2017. Title of the paper- Pharmacognostic, Phytochemical and Antioxidant Studies of *Hibiscus vitifolius* L. (Family- Malvaceae): A lesser known Ethnomedicinal Plant”.

Sagari Chowdhury

- (i) 7th November, 2016: Participated and made oral presentation in the XXVI Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on “Conservation and Sustainable Utilization of Biodiversity” organized by Department of Botany, Shivaji University, Kolhapur, Maharashtra during 7th – 9th November, 2016. Title of the paper- “Documentation and quantitative study of Ethnomedicinal plants used by the *Lodhas* (a primitive tribal group) of West Bengal, India”.
- (ii) 14th -15th January, 2017: Participated the Botanical Survey of India sponsored workshop on “**Training on Basics of Plant Nomenclature**”, organized by Envis Centre on Floral Diversity in collaboration with Central National Herbarium, Botanical Survey of India, Howrah-711103 during 14th -15th January, 2017.
- (iii) 9th- 12th February, 2017: Participated the Botanical Survey of India sponsored workshop on “**Botanical Nomenclature Course**” organized by Botanical Survey of India, Western Regional Circle, Pune, Maharashtra during 9th- 12th February, 2017. Course Director - Dr. K. N. Gandhi, University of Harvard, U.S.A., very renowned plant taxonomist.
- (iv) 1^{6th} March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 1^{5th} -1^{6th} March, 2017. Title of the paper- “Evaluating the effects of Indigenous Migration on the Ethnobotanical Knowledge of Lodha Tribe, West Bengal, India”.

Anindya Sundar Ray

16th March, 2017: Participated and made **an oral** presentation in the National Seminar on “Plant and Microbial Resources: Utilization and Conservation” organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 15th -16th March, 2017. Title of the paper- “ Pharmacognostic, Phytochemical and Antioxidant Studies of *Gardenia latifolia* Aiton : An Ethnomedicinal Tree Plant”.

Shyam Biswa

i. Attended XXVI Annual Conference of IAAT and International seminar on “Conservation and Sustainable Utilization of Biodiversity” from 7th to 9th November, 2016 at Department of Botany, Shivaji University, Kolhapur.

ii. National seminar on “Plant and Microbe: Diversity and Utilization” on 19th to 20th March 2017, organized by Department of Botany, Visva Bharati, Santiniketan.

Jhuma Satradhar

International Symposium on “Eco-Efficiency in Agriculture & Allied Research (EAAR 17)” organized by Crop and Weed Science Society (CWSS), Bidhan Chandra Krishi Viswavidyalaya (BCKV) at Farmers Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, India on 20th to 23rd Jan. 2017.

Abhijit Sar

17 October 2016: Attended and presented a poster in the national symposium “The World of Microbes: Pathogenesis, Environment and Evolution” organized by Bose Institute, Kolkata.

15-16 March 2017: Attended and presented a poster (awarded second prize) in the national seminar titled “Plant and Microbial Resources: Utilization and Conservation” organized by Department of Botany, Visva-Bharati.

Srikanta Pal

17 October 2016:, Attended and presented a poster in the national symposium “The World of Microbes: Pathogenesis, Environment and Evolution” organized by Bose Institute, Kolkata.

Sohini Banerjee

17 October 2016: Attended and presented a poster in the national symposium “The World of Microbes: Pathogenesis, Environment and Evolution” organized by Bose Institute, Kolkata.

15-16 March 2017: Attended and delivered a lecture in the national seminar titled “Plant and Microbial Resources: Utilization and Conservation” organized by Department of Botany, Visva-Bharati.

Arijit Misra

17 October 2016: Attended and presented a poster in the national symposium “The World of Microbes: Pathogenesis, Environment and Evolution” organized by Bose Institute, Kolkata.

15-16 March 2017: Attended and presented a poster in the national seminar titled “Plant and Microbial Resources: Utilization and Conservation” organized by Department of Botany, Visva-Bharati.

Ongoing Research Projects in the Department:

Kashinath Bhattacharya:

1. WWF-India Project entitled, “Study to understand the pollination ecology as well as the applicability of placing apiary boxes in the forested areas of the Sunderbans” (As Co-I: Jointly with Bose Institute and Calcutta University). Amount sanctioned. INR 30 lakh.

Rup Kumar Kar:

1. DST-funded Indo-Hungarian Joint Research Project entitled “Responses of crop plants (rice and wheat) to combination of light and drought stresses” (as PI). Amount sanctioned : INR 31.56 lakh

Narayan Chandra Mandal:

i. CSIR, Govt. of India funded project entitled “Assessment of Anti-Fungal Activity of the Extracts of a Plant of North East Institute of Science & Technology (CSIR) and Searching for its Probable Mechanism of Action”; 2014-17; Amount: Rs. 20 lakhs (PI: Prof. Narayan Chandra Mandal).

ii. DBT-Twinning Programme, Govt. of India (with Tripura University) funded project entitled “An Ethno-Botanical Survey of Indigenous Angiosperm Flora of Tripura and Assessment of Antimicrobial Potentials of those Plants”; Completed in January, 2016; Amount: Rs. 34.10 lakhs (14.5 lakhs for Visva-Bharati); (PI: Prof. Narayan Chandra Mandal).

iii. Tea Board of India funded project entitled “Development of biopesticide against fungal diseases of tea using phosphate solubilizing rhizobacteria”; 2016-19. Amount: Rs. 19.65 lakhs; (PI: Prof. Narayan Chandra Mandal).

Chowdhury Habibur Rahaman:

1. Project entitled “Inventorization and documentation of Ethnomedicinal plants from Laterite zone of West Bengal with special reference to Bioprospecting of selected plant species” sanctioned by **UGC, GOI, New Delhi**. Sanctioned amount- Rs. **11.58 lakh**. 3yrs, (completed in March, 2017).

2. Project entitled “Quantitative Ethnobotany, Conservation Priorities and Sustainable utilization of Medicinal Plants of Birbhum district, West Bengal with reference to Biological activity studies of some lesser known Root drugs” sanctioned by Department of Science and Technology, **Govt. of West Bengal , Kolkata**. Sanctioned amount- Rs. **16.19 lakh**. 3yrs + 1yr extension.

Anjalika Roy:

1. DBT Twinning project entitled “Intregrated approach to understand agarwood formation and value addition of Agarwood (*Aquilaria melaccensis*) using OMICS approach (Jointly with Department of Forestry & Biodiversity, Tripura University). Amount Sanctioned: INR 29 lakh

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department: Nil

Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.):

Teachers

Sukanta K Sen

Executive Member of Advisory Board for organizing National conference entitled 'recent advances in biotechnology and biofuels' at Bilaspur University, Bilaspur.

Kashinath Bhattacharya:

i) Expert Member of the Thematic Group: Conservation and Sustainable Use of Biodiversity in the **National Mission on Himalayan Studies (NMHS)** under the Ministry of Environment, Forest and Climate Change (MOEF & CC).

ii) Member of Editorial Board: Indian Journal of Aerobiology; Journal of Threatened Taxa

iii) Member of Research Advisory Committee in the PhD Cell of St. Xavier's College, Kolkata

Rup Kumar Kar:

i. Elected **Fellow of the West Bengal Academy of Science and Technology**, 2016 (Section VI: Plant Sciences)

Narayan Chandra Mandal

i. Invited speaker in Indian Science Congress and acted as Judge in Poster Session, Chaired a Oral Session in the same Congress, January 3-7, 2017

ii. Acted as a Resource Person in a short term Training Programme "Recent Trend In Industrial Biotechnology" organized by NIT Durgapur, November 14-18, 2017

iii. External expert member of DBT- Biosafety Committee of NIT, Durgapur

iv. External Member of B.O.S. of Botany and Environmental Science in University of Gour Banga and University of Burdwan respectively

v. Expert member in evaluation of Abstracts of Presidency and Jalpaiguri Divisions, oral and poster presentations of Burdwan Division in State Science Congress (GoWB), November, 2016.

vi. Expert in Selecting Faculty positions in some Universities of WB and other states

vii. Acted as reviewers in many internationally reputed journals *viz.*, Plant Disease, Process Biochemistry, Gene, AMB Express, and some Elsevier journals.

Subrata Mondal:

i. Elected **Fellow of the Indian Aerobiological Society**, 2016

ii. Chaired a session in the 18th Biennial Meeting and National Conference of 19th national conference of Indian Aerobiological Society held on 09-11 December, 2016 at Bose Institute, Kolkata.

Chowdhury Habibur Rahaman:

(i) Expert Member of the Technical-cum-Screening Committee of the West Bengal State Medicinal Plants Board, Govt of West Bengal, Kolkata

(ii) Member of the Editorial Board: *Journal of Traditional Knowledge and Folk Practices*, Jawaharlal Nehru TBGRI, Palode, Tirubanthapuram, Kerala.

Scholars

Sagari Chowdhury got the award (cash & certificate) for the best paper presentation in the T. R. Sahu Award Competition Session on "Medicinal Plants Systematics" of the XXVI Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) held at the Department of Botany, Shivaji University, Kolhapur, Maharashtra during 7th – 9th November, 2016.

Department as a whole Nil

Publications within the year April 2016 to March 2017:

Research Papers

1. Dey K.; Mondal S. and Mandal S. (2016): Studies on stigma receptivity of *Grewia asiatica* L. with reference to esterase and peroxidase activity. *Int. Jour. Eng. Res. Sci.*; 2: 120-123.
2. Dey K.; Mondal S. and Mandal S. (2016): Studies on *in vitro* pollen germination of *Mitragyna parvifolia* (Roxb.) Korth. *Int.Jour.Curr.Microbiol.App.Sci.* 5:768-777.
3. Dey K.; Mondal S. and Mandal S.(2016): Flower visitor diversity with reference to pollen dispersal and pollination of *Carica papaya* L. *Int.Jour.Adv.Res.Biol.Sci.*; 3 : 65-71.
4. Ghosh, S. and Mandal, S. (2016) Pollen Atlas of Santiniketan, West Bengal with reference to Aeropalynology. *Int. J. Curr. Microbiol. App. Sci.* 5(6): 983-1000.
1. Bandyopadhyay D; Das K and Sen S. K. (2016) Exploration of extracellular phytase production by *Amycolatopsis vancoreismycina* S-12 in submerged fermentation, *Int. J. Curr. Microbiol. App. Sci* 5(1): 478-487.
1. Ray, S. and Bhattacharya, S. (2016). Manual of Bryophytes: Morphotaxonomy, diversity, spore germination, conservation. Levant Books, Kolkata.
1. Simlai A; Mukherjee K; Mandal A; Bhattacharya K and Roy A (2016) Partial purification and characterization of an antimicrobial activity from the wood extract of mangrove plant *Ceriops decandra*. *EXCELI Journal*. 15: 103 – 112
2. Partha Karak and Bhattacharya K. (2016: Back volume of 2014). Airborne fungal spore load in Santiniketan, West Bengal with reference to respiratory allergy. *Indian J. Aerobiol.*, Vol 27, No.1&2, pp 20-25(2014).
3. Shipra Roy and Bhattacharya K. (2016). Seasonal variation of airborne fungal load in two outdoor environments of Farakka, West Bengal, India. *Journal of Palynology*. Vol. 52: 27-36
1. Mondal T, Aditya S and Banerjee N. (2016): Role of plant growth regulators on asymbiotic seed germination and seedling development of *Vanda coerulea* Griff. Ex Lindl. an endangered orchid. *Indian Journal of Fundamental and Applied Life Sciences*. 6 (3): 36-41.
2. Banerjee N. and Mondal T (2017): Orchid germplasm: its conservation and propagation strategies through *in vitro* approach. In: *Proc.Trends Front. Plant Sci. Res.*, (Ed.S. Sinha, R.K. Sinha). Narosa publishing House Pvt. Ltd (In Press)
1. Das, S. and R.K. Kar (2016). Reactive oxygen species-mediated promotion of root growth under mild water stress during early seedling stage of *Vigna radiata* (L.) Wilczek. *Plant Growth Regulation* (DOI 10.1007/s00344-016-9643-9).
2. Sahu, M. and R.K. Kar (2016). Acclimatization of mung bean seedlings using polyethyleneglycol leads to enhanced drought stress tolerance. *Journal of Theoretical and Experimental Biology*, 12 (1 &2): 01-06.

i) Monographs/Book Chapters:

Ghosh, R. and Mandal, N.C. (2017) 'Use of plant growth promoting Burkholderia species with rock phosphate solubilizing potential towards crop improvement' in "Agricultur-

ally Important Microbes for Sustainable Agriculture - Volume I: Plant-soil-microbe nexus (Springer). (In Press)

ii) Research papers:

1. Ghosh, R., Barman, S., Mukherjee, R. and Mandal, N. C (2016) Role of phosphate solubilizing *Burkholderia* spp. for successful colonization and growth promotion of *Lycopodium cernuum* L. (Lycopodiaceae) in lateritic belt of Birbhum district of West Bengal, India. *Microbiological Research* (Elsevier) 183: 80-91.
2. Ghosh, R., Barman, S., Khatun, J. and Mandal, N. C. (2016) Biological control of *Alternaria alternata* causing leaf spot disease of *Aloe vera* using two strains of rhizobacteria. *Biological Control* (Elsevier) 97: 102-108.
3. Barua, S., Banerjee, P. P, Sadhu, A, Sengupta, A, Chatterjee, S, Sarkar, S, Barman, S, Chattopadhyay, A, Bhattacharya, S, Mandal, N C and Karak, N (2016) Silver nanoparticles as antibacterial and anticancer materials against human breast, cervical and oral cancer cells. *Journal of Nanoscience and Nanotechnology* (ASP) 16: 1-9
4. Bhowmik, S., Datta, B.K., Saha, A.K., Chakma, P. and Mandal, N.C (2016) Green synthesis of silver nanoparticles from several NTFP plants. *Notulae Scientiae Biologicae* (Academic Press) 8: 106-111
5. Mitra, P., Acharya, K. and Mandal, N. C. (2016) Antioxidative Activity, Mycochemical, and Phenolic Profile of *Termitomyces clypeatus*, a Wild Edible Mushroom from the Lateritic Zone of West Bengal. *Journal of Herbs, Spices & Medicinal Plants* (Taylor & Francis), DOI: 10.1080/10496475.2016.1225621
6. Mitra P; Mandal N C and Acharya K (2016) Polyphenolic extract of *Termitomyces heimii*: antioxidant activity and phytochemical constituents. *J Verbr. Lebensm.* DOI 10.1007/s00003-015-0976-2 (Springer).
7. Mitra P; Mandal NC, Roy, A. and Acharya K (2016) Phytochemical study and antioxidative property of ethanolic extract from *Termitomyces clypeatus*. *Journal of Applied and Pharmaceutical Sciences*. 6: 120-124. Doi: 10.7324/JAPS.
8. Basu Sarbadhikary, S., Pal, B. and Mandal, N.C. (2016) Antimicrobial and antioxidant activities of two endophytic fungi isolated from *Melastoma malabathricum* L. leaves. *International Journal of Current Pharmaceutical Research*, 8: 1-5
9. Barman, S., Ghosh, R., Mandal, N., Gond, S. K. and Mandal, N.C. (2016) Assessment of antimicrobial activity of endophytic fungi isolated from *Justicia adhatoda* L. *UGB Journal of Plant Biology and Biotechnology*. 1: 19-23.
10. Dutta, S., Datta, J.K. and Mandal, N.C. (2017) Evaluation of indigenous rhizobacterial strains with reduced dose of chemical fertilizer towards growth and yield of Mustard (*Brassica campestris*) under old alluvial soil zone of West Bengal, India. *Annals of Agrarian Science* (Elsevier) doi.org/10.1016/j.aasci.2017.02.015
11. Basu Sarbadhikary, S. and Mandal, N.C. (2017) Biological control of wilt causing *Pseudomonas* spp. by the use of leaf extracts of *Schima wallichii* (DC.) Korth. and *Melastoma malabathricum* L. *European Journal of Pharmaceutical and Medical Research*. 4:371-377.

12. Basu Sarbadhikary, S. and Mandal, N.C. (2017) Field application of two plant growth promoting rhizobacteria with potent antifungal properties. *Rhizosphere* (Elsevier) 3:170-175, DOI. Org/10.1016/j.rhisph.2017.04.014
13. Chatterjee, S. and Mandal, N.C. (2017) Antibacterial and antioxidant activities of ethanolic extract of guava (*Psidium guajava* L.) leaves. *World Journal of Pharmaceutical and Medical Research*. 3: 196-200.
14. Das, S. and Mandal, N.C. (2017) Isolation and characterization of a promising growth promoting rhizobacterium from *Trichosanthes dioica* Roxb. rhizosphere. *International Journal of Current Microbiology and Applied Sciences*. 6: 544-551.
15. Barman, S., Ghosh, R., Dalal, D. and Mandal, N.C. (2017) Suppression of leaf blight of *Ocimum sanctum* L. using lactic acid bacteria as novel biocontrol agent. *Proc. Natl. Acad. Sci., India, Sect.B Biol. Sci.* (Springer) DOI 10. 1007/s40011-017-873-9
1. Ghanta, R. and Mondal, S. (2016). *In vitro* studies on pollen germination of *Aloe barbadensis* Mill. *International Journal of Current Science*. 19 (2): E 146-153.
2. Das, D., Mondal, S. and Mandal, S. (2016). Studies on Some economically important aquatic plants of Katwa subdivision of Burdwan District, West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*. 5 (6): 961-972.
3. Sarkar, N.R., Mondal, S. and Mandal, S. (2016). Phytodiversity of Ganpur Forest, Birbhum District, West Bengal, India with reference to their Medicinal properties. *International Journal of Current Microbiology and Applied Sciences*. 5 (6): 973- 989.
4. Saha, H., Mondal, S. and Mandal, S. (2016). Studies on *in vitro* pollen germination and tube development of *Borassus flabellifer* L. *International Journal of Recent Scientific Research*. 7 (6): 11985: 11989.
5. Ghanta, R. and Mondal, S. (2016). Effect of some heavy metals on pollen viability of *Barringtonia acutangula* Gaertn. *Journal of Palynology*. 52:37-47
6. Dutta Mudi, M. and Mondal, S. (2016). Impact of some nutrients on *in vitro* pollen germination of *Croton tiglium* L. *J. Palynol. Advanced in Pollen Spore research*. 34. 15-23.
7. Sarkar, N.R., Mondal, S. and Mandal, S. (2016). Studies on *in-vitro* pollen germination of *Holmskioldia sanguinea* Retz. *International Journal of Current Advanced Research*. 5(7): 1062-1065.
8. Pal, S. and Mondal, S. (2016). An investigation on *in vitro* pollen germination and tube development of *Jacquinia ruscifolia* Jacq. *International Journal of Advanced Research in Biological Sciences*. 3(9): 71-77
9. Dutta Mudi, M. and Mondal, S. (2016). Effect of heavy metal toxicity on *in vitro* pollen germination and tube growth of *Phyllanthus reticulatus* Poir. *International Journal of Recent Scientific Resereach*. 7(12). 14571-14575.
10. Choudhury, S., Mondal, S. and Mandal, S. (2017). Floral phenology, flower-visitor interaction and pollination of *Abrus precatorius* L. *International Journal of Plant reproductive Biology*. 9 (1):53-58.
11. Sarkar, N.R., Mondal, S. and Mandal, S. (2017). Effect of sucrose and boric acid on in vitro polyad germination of *Pithecellobium dulce* (Roxb.) Benth. *International Journal of Advanced Biotechnology and Research*. 8 (1): 53-56.

12. Saha, H., **Mondal, S.** and Mandal, S. (2017). Flower-visitors interaction, pollen dispersal and pollination of *Borassus flabellifer* L. IJDR. 7 (1): 10919-10923.
13. Pal, S. and Mondal, S. (2016). Role of some nutrients on *in vitro* pollen germination and tube development of *Hedychium coronarium* Koenig. UGB Journal of Plant Biology and Biotechnology. (in press).
14. Pal, S., Ghanta, R and Mondal, S. (2016). Effect of sucrose and Boric acid on *in vitro* pollen germination of *Asparagus racemosus* Wild. Advances in Bioresearch. (in press).
- 1 Ghosh, P. and Rahaman, C.H. (2016) Pharmacognostic studies and phytochemical screening of aerial and root parts of *Cyanotis tuberosa* (Roxb.) Schult. & Schult.f. – an ethnomedicinal herb. *World Journal of Pharmaceutical Research*. 5(2): 1580-1601. February, ISSN: 2277-7105.
- 2 Choudhury, S., Rahaman C.H. and Singh, H. (2016) Some ethnozoological uses of Birhor tribe of West Bengal, India. *Journal of Traditional and Folk Practices* 2-4(1): 33-42.
- 3 Rahaman C.H (2017) Quantitative Ethnobotany- its importance in Bioprospecting and Conservation of Phytoresources. In T. Pullaiah, K. V. Krishnamurthy and Bir Bahadur (eds.) *Ethnobotany of India: North-East India and Andaman and Nicobar Islands*, Vol.3. Apple Academic Press, USA. Distributed by CRC Press; pp- 269 – 292.
1. Mondal, B., Das, B., Lokho, A., Mondal, G., Ghosh, G. C. and Ghosh, S. 2017. Relevance on Dr. B. R. Ambedkar for Inclusive Development in India Vol. II: Inclusive development, Agriculture and Sustainable rural Development, New Delhi Publishers.
2. Biswa, S., Lakshminarasimhan, P. and Lokho, A. (2016). Ethno-Medicinal plants of Birhor and the native community of Koderma Wildlife Sanctuary, Jharkhand, India. In: Chourasia, H.K.(ed.), Conservation of Medicinal Plants. Conventional and Modern Approaches. Omega Publications, New Delhi, PP. 118-130.
3. Biswa, S., Lakshminarasimhan, P. and Lokho, A. (2016). Phytodiversity of Koderma wildlife sanctuary, Jharkhand- An overview. *Phytotaxonomy* 15:22-27.
4. Biswa, S., Lokho, A. and Lakshminarasimhan, P. (2016). Biodiversity of Koderma Wildlife Sanctuary, Jharkhand- Its threats and conservation. *The Global Journal of Life Science and Research* 2(1): 213-219.
5. Biswa, S., Lakshminarasimhan, P. and Lokho, A. (2016). A New Locality for *Malva parviflora* var. *Microcarpa* (Pers.) Loscos (Malvaceae). *Indian Journal of Forestry*. 39(2):197-199.
1. Sangita Ganguli, Hema Gupta (Joshi), Kashinath Bhattacharya (2016). Vegetation structure and species diversity in Garhjungle sacred forest, West Bengal, India. *International Journal of Environmental & Agriculture Research (IJOEAR)*, 2(9): 72 – 79.
2. Sangita Ganguli, Hema Gupta (Joshi) and Kashinath Bhattacharya (2016). Vegetation Structure, Species Diversity and Regeneration Status in Ballavpur Wildlife Sanctuary, West Bengal, India. *Elixir Environment & Forestry*, 99: 43067-43074.
3. Sangita Ganguli, Hema Gupta (Joshi) and Kashinath Bhattacharya (2016). Soil N-transformation Rates in Two Differently Managed Dry Deciduous Forests of West Bengal, India. *World Journal of Research and Review (WJRR)*, 3(4): 45-49

Rupkumar Kar (Citation 346; h- index: 9)

Jnanendra Rath: (Citation: 185; h-index: 8)

Bomba Dam: (Citation: 405; h-index: 10)

Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

From 2011-2012 sessions M. Sc. course in Botany has been brought under CBCS Semester system following the guideline of UGC and the syllabi of the whole curriculum restructured newly (under four semesters) keeping in view of the recent advancements of knowledge in the subject. Also credit point system has been adopted for evaluation.

A brief history on the development of the Vibhaga concerned with an indication of the future plans for development:

Department of Botany, Visva-Bharati has started undergraduate course in Botany in 1965 and postgraduate course in Botany in 1969. Later, School of Life-Science developed along with Zoology Department and curriculum has been modified accordingly. In view of current thrust on biotechnological approach in all spheres, a postgraduate course in Biotechnology has also been introduced in 1997 under the School of Life Science involving both the Department of Botany and Zoology and other science departments. In future Department is planning to develop further the research activities and introduce new courses in the demanding areas of modern science. Teachers of the Department are taking all measures to upgrade the syllabus and include modern techniques in their practical classes.

Any other relevant information, which in opinion of the Head of the Department is worth-reporting, should be included:

Particulars in details of the Departmental Library:

Area (sq. meters) quoted for the library – 150 sq. ft.

Separate provision for reading room – No

Total no. of books – 1600 (approx.)

Total no. of books purchased during the year – 80

Total no. of periodicals – 5

Periodicals purchased during the year

DEPARTMENT OF STATISTICS

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination

Departmental Seminar:

Prof. Jyotirmoy Sarkar, IUPUI, USA: Recent Developments in Statistics, 15-16 July, 2016

Dr. Subrata Kundu, USA: Recent Developments in Statistics, 15-16 July, 2016

Dr. Arpita Chatterjee, USA: Recent Developments in Statistics, 15-16 July, 2016

Dr. Santu Ghosh, USA: Recent Developments in Statistics, 15-16 July, 2016

Prof. Dibyojyoti Bhattacharya, AUS, India: Recent Developments in Statistics, 15-16 July, 2016

Dr. Analabha Basu, NIBMG, India: Recent Developments in Statistics, 15-16 July, 2016

Prof. A. Chattopadhyay, CU: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Prof. A.K.Chattopadhyay, CU: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Prof. S.Sen Roy, CU: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Dr. S. Pramanik, PHFI: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Dr. A. Ghosh, PHFI: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Dr. I. Mulhopadhyay: A Workshop on Introduction to Statistical Methods, March 24 - 25, 2017

Dr. Krishnendu Chandra, Departmental Seminar, March 28, 2017

Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/ Research scholars

Kashinath Chatterjee

Delivered lectures to the Ph.D. students of the Department of Statistics, Central China Normal University, Wuhan, China on Uniform Designs.

Sudhansu S. Maiti

29 June 2016: Delivered an invited lectured entitled “Mahalanobis, Tagore and Visva-Bharati” at the Celebration of 10th National Statistics Day, organized by District Statistical Office, Birbhum under Bureau of Economics and Statistics, West Bengal.

24 August 2016: Delivered a talk entitled “Qualitative Category Research” as resource person at the Research Scholars’ Training Programme conducted by UGC-Human Resource Development Centre, Burdwan University.

21-23 December 2016: Attended and presented an invited paper entitled “On theoretical development and applications relating to Lindley distributed characteristic” in the Platinum Jubilee International Conference on Applications of Statistics held at Department of Statistics, Calcutta University, Kolkata.

09-11 February 2017: Attended National Workshop on Counseling organized by Visva-Bharati.

27-28 February 2017: Attended and delivered a plenary lecture entitled “Fitting Lifetime data and constructing a Generalized Lifetime Performance Index” in National Conference on Trends in Science & Technology held at Salesian College, Siliguri.

Arindom Chakraborty

(July, 2016) **Conducted** a **Two-days Workshop** on R for Statistical Analysis in Social Sciences at Sivanath Shastri College, Kolkata.

(September, 2016) Participated and delivered an **invited** talk on *A Spline Enhanced population Pharmacokinetic Ordinal Longitudinal Model subject to Informative Dropout*, Conference for Statistics and Programming in Clinical Research, Hyderabad.

(November, 2016) Participated and delivered an **invited** talk on *Statistical Methods Based on Empirical Bayes for eQTL Mapping*, at the Workshop organized by Indo-French Centre for Advanced Mathematics (IFCAM), IISc, Bangalore

(December, 2016) Delivered an **invited** talk on *The Apocalypse of p-value* at 19th National Conference of Indian Aerobiological Society at Bose Institute, Kolkata.

(December, 2016) Delivered an **invited** talk on *The Analysis of Case Control Data in R*, at the Workshop on Quantitative Methods for Public Researchers of the SAARC Countries organized by the Department of Statistics, University of Calcutta

Tirthankar Ghosh

July 12, 2016: Delivered an invited lecture on Descriptive Statistics using R for Ph D Course Work on Statistics using R at Department of Statistics, West Bengal State University, Barasat, W.B.

Jan 11-12, 2017: Attended and delivered a lecture entitled “Improvement in hurricane intensity forecast using neural networks” in Hurricane Forecast Improvement Project Annual Conference at National Hurricane Center, Miami, Florida, USA. (http://www.hfip.org/documents/2016_HFIP_Publications.pdf)

Saran Ishika Maiti

Refreshers’ Course: Successful Completion (bagging Grade A) of Refreshers’ Course in Mathematical Sciences organized by Department of Pure Mathematics, University of Calcutta from 8th March to 29th March ‘2017.

Saurav Rana

“Workshop on Ecological and Environmental Modelling” (25th October, 2016) organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata and Govt. College of Engineering & Textile Technology, Berhampore.

“4th India Biodiversity Meet - 2016” (24th–27th October, 2016) organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata and Govt. College of Engineering & Textile Technology, Berhampore, In association with Biomathematical Society of India.

Indrani Mukherjee (research Scholar)

On going projects in the Department

None

Extention activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the department

Celebration of Gandhi Punyaha

Celebration of Teachers’ day

Celebration of Independence week

Quiz contest

Academic distinctions gained by Teachers/Scholars or the Department as a whole:

Kashinath Chatterjee

Visited Department of Statistics, Central China Normal University, Wuhan, China as visiting scientist from October 13, 2016 to October 23, 2016.

Serving as an Associate Editor of the “Journal of the Indian Society of Agricultural Statistics”.

Reviewer for the journals-(a) Statistics and Probability Letters, (b) Journal of Statistical Planning and Inference, (c) Communications in Statistics: Theory and Methods, (d) SCIENCE CHINA Mathematics.

Sudhansu S. Maiti

Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2017.

External Member, Departmental Research Committee in Statistics, Kalyani University

External Member, CBCS Syllabus Committee in Statistics, Burdwan University

Member, Equivalence Committee, Visva-Bharati

Member, Academic Journal Expert Committee, Visva-Bharati

Adhyaksha Nominee, Siksha-Bhavana Admission Committee, Visva-Bharati

Vice-Principal, Siksha-Bhavana, Visva-Bharati

Reviewer for the journals-(a) Communications in Statistics –Simulation and Computation, (b)

Austrian Journal of Statistics, (c) Alexandria Engineering Journal, (d) IAPQR Transactions, (e)

Haccetappe Journal of Mathematics and Statistics, (f) Journal of Reliability and Statistical Stud-

ies., (g) Pakistan Journal of Statistics and Operations Research.

Arindom Chakraborty

Convenor, Two-days Lecture Series on *Recent Development of Statistics* in July, 2016 organized by the Department of Statistics, Visva-Bharati

Convenor, Two-days Workshop on *Introduction to Statistical Methods* in February, 2016 organized by the Department of Statistics, Visva-Bharati

Tirthankar Ghosh

Visited Department of Earth, Ocean & Atmospheric Sciences, Florida State University, Tallahassee, FL, USA during August 25, 2016 to May 31, 2017 as Visiting Research Associate.

Reviewer Metereological Applications

Publications within the year April 2016-March 2017

Research Papers

Chatterjee, K., Koukouvinos, C. and Parpoula, C. (2016). On the analysis of unbalanced two-level supersaturated designs via generalized linear models.

Communications in Statistics-Simulation and Computation, 1-13

Liu, X., Yue, R. X. and Chatterjee, K. (2016). Algorithmic construction of R-optimal designs for second-order response surface models. Journal of Statistical Planning and Inference 178, 61-69

Gou, T., Qin, H. and Chatterjee, K. (2016). A New Extension Strategy on Three-Level Factorials Under Wrap-around L 2-discrepancy. Communications in Statistics-Theory and Methods

Li, H., Chatterjee, K., Li, B. and Qin, H. (2016). Construction of Sudoku-based uniform designs with mixed levels. Statistics & Probability Letters 114, 111-118

- Qin, H., Gou, T. and Chatterjee, K. (2016). A new class of two-level optimal extended designs. *Journal of the Korean Statistical Society* 45 (2), 168-175
- Balakrishnan, N., qin, H. and Chatterjee, K. (2016). Multivariate Bayesian U-type Asymmetric Designs for Nonparametric Response Surface Prediction under Correlated Errors. *Communications in Statistics-Theory and Methods*.
- Ou, Z., Qin, H. and Chatterjee, K. (2016). Some New Lower Bounds to Various Discrepancies on Combined Designs. *Communications in Statistics-Theory and Methods*
- Maiti, S. S. and Pramanik, S. (2016): Odds generalized exponential-Pareto distribution: properties and application, *Pakistan Journal of Statistics and Operations Research*, 12(2), 257-279.
- Maiti, S. S. and Pramanik, S. (2016): Odds generalized exponential-Uniform distribution and its application, *Research & Reviews: Journal of Statistics*, 5(1), 33-45.
- Sen, S., Maiti, S. S. and Chandra, N. (2016): The xgamma distribution: statistical properties and application, *Journal of Modern Applied Statistical Methods*, 15(1), 774-778.
- Dey, S., Maiti, S. S. and Ahmad, M. (2016): Comparison of different Entropy measures, *Pakistan Journal of Statistics*, 32(2), 97-108.
- Saha, M. and Maiti, S. S. (2016): Confidence intervals of c_{pyk} for inverse rayleigh and log-logistic distributed quality characteristics, *Proceedings of Institute for Mathematics, Bio-informatics, Information-technology and Computer-science*, 5, 254-265
- Mukherjee, I., Dey, S. and Maiti, S. S. (2016): Comparison of estimators of the pdf and cdf of the generalized exponential distribution, *Proceedings of Institute for Mathematics, Bio-informatics, Information-technology and Computer-science*, 5, 266-281.
- T. Krishnamurti, V. Kumar, A. Simon, A. Bharadwaj, T. Ghosh and R. Ross (2016): A review of multimodel superensemble forecasting for weather, seasonal climate and hurricanes, *Reviews of Geophysics*, Vol. 54(2), pp: 336-377. DOI: 10.1002/2015RG000513 (<http://onlinelibrary.wiley.com/doi/10.1002/2015RG000513/abstract>)
- Maiti, S. I. (2016), Tau-proportionate form of congeneric covariance structure , *International Journal of Statistics and Probability*, Vol.5,No.5,p.1-12.
- Sarkar J, and Maiti, S.I.(2017), Symmetric random walks on regular tetrahedra, octahedra and hexahedra, *Calcutta Statistical Association Bulletine*, Vol. 69(1), p.110-128.
- Mukhopadhyay, S., Hazra, A., Bhowmick, A.R. & Sabyasachi Bhattacharya (2016) On comparison of relative growth rates under different environmental conditions with application to biological data, *Metron*, Volume: 74(3), pp 321-337
- Saha, S., Dey,T., Adhikari, S., Mukhopadhyay, S., Sengupta, C. and Ghosh, P. (2016) Effects of plant growth regulators on efficient plant regeneration efficiency and genetic stability analysis from two *Ocimum tenuiflorum* L. morphotypes; *Rendiconti Lincei*, Volume: 27(4), pp 609-628
- Rana, S., Samanta, S., Bhattacharya, S., The interplay of Allee effect in an eco-epidemiological system with disease in predator population. *Bulletin of Calcutta Mathematical Society*, Vol 108(2), Pages 103-122, (2016).
- Ghosh, K., Samanta, S., Biswas, S., Rana, S., Chattopadhyay, J., Stability and bifurcation analysis of an eco-epidemiological model with multiple delays. *Nonlinear Studies*, Vol 23(2), Pages 167-208, (2016).

Pal, N., Samanta, S., Rana, S., The Impact of Constant Immigration on a Tri-trophic Food Chain Model. International Journal of Applied and Computational Mathematics, DOI 10.1007/s40819-017-0317-5, (2017).

v). Number of paper published in Peer/reviewed journals:

National: 5

International: 16

Designing New Course/Curriculum or any other teaching innovations introduced by the Department

Courses are updated following UGC guidelines.

A brief history on the development of the Department concerned with an indication of the future plans for development

Established in 1999 during IX Five-Year Plan

Started with Undergraduate Programmes [B.Sc. (Honours) and B.Sc. (Subsidiary)] in Statistics

Post graduate programme started in 2003 and subsequently Ph.D. programme started

The Department specializes in Industrial Statistics, Bayesian Inference, Design of Experiments, Reliability Analysis, Actuarial Statistics and Biostatistics

Only 7 faculty members (2 Professors and 5 Assistant Professors)

The Department has two Computer Laboratories with 25 computers

More faculties and space needed

Upgradation of computer laboratories and class rooms are urgently needed

Any other relevant information:

Name of the Faculty	Citation Index	H index
Prof. Kashinath Chatterjee	347	10
Prof. Sudhanshu S Maiti	198	9
Dr. Arindom Chakraborty	118	6
Dr. T. Ghosh	74	4
Dr. Saran Ishika Maiti	2	1
Soumalya Mukhopadhyay	25	2
Sourav Rana	84	5

Source: Google Scholar

DEPARTMENT OF COMPUTER AND SYSTEM SCIENCES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

GATE

Subhayan Bhattacharya

Wyes Karney

Departmental Seminar (Speakers, Title of the Seminar, Date)

One day symposium:

Title: "Some new research Directions in Machine Learning and Machine Intelligence Date: 25.02.17

Speakers:

Dr. Jaya Sil, Department of Computer Science and Engineering, IEST Shibpur

Dr. Sushmita Mitra, Machine Intelligence Unit, ISI Kolkata

Dr. Tandra Pal, Department of Computer Science and Engineering, NIT Durgapur

Dr. Amit Konar, Department of Electronics and Telecommunication, Jadavpur University

Only National and International standard Conference / Seminar / Workshop / Exhibition etc. Attended by Teachers / Research scholars in details. NA

Ongoing Research Projects in the Department

Name of the Project: "Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments"

Name of the Teacher: Dr. Utpal Roy, Professor

Co-Investigator(CI): Mr. Subhasis Banerjee

Sponsoring Agencies: Department of Atomic Energy (DAE), Bhaba Atomic Research Centre (BARC), BRNS Project(April-2014).

Amount Sanctioned: Rs. 17.00 lakhs (approx.)

Extension activities / NSS / Cultural and other activities organised by the Department and participated by the teachers and students of the Department.

Organized 2nd Annual Coding competition CodeCom-2016 in technical collaboration with ACM, Kolkata chapter on 22.08.2017.

Organized 1st Annual inter departmental Quiz contest- QUIZARD-2017 on 27.02.2017.

Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.): Nil

Publications within the year April 2016 – March 2017

Text books

Other books

Monographs

Research Papers.(Author(s), title of Paper, year journal volume No., Pages),

Number of paper published in Peer / reviewed journals: National/International

Alak Kumar Datta

Journal:

Pal, Achira, Atal Chaudhuri, Rajat Kumar Pal, and Alak Kumar Datta. "Hardness of crosstalk minimization in two-layer channel routing." Integration, the VLSI Journal 56 (2017): 139-147.

Paramartha Dutta

Patent

S. Roy, P. Dutta, D. Mukhopadhyay and S. Bhattacharyya, "A portable molecular quantum dot cellular automata X-Ray system and Method of its operation thereof", Indian Patent No. 201631033793 dated 03/10/2016.

S. Roy, P. Dutta, D. Mukhopadhyay and S. Mondal, "Quantum Dot Cellular Automata based Portable Cancer Cell Demolition System and Method of its operation thereof", Indian Patent No. 201631041316 dated 02/12/2016.

S. Roy, P. Dutta, D. Mukhopadhyay and M. Ghosh, "Quantum Dot Cellular Automata based Food Irradiation System and Method of its working", Indian Patent No. 201631045060 dated 30/12/2016.

S. Roy, P. Dutta, D. Mukhopadhyay and K. Datta, "Quantum Dot Cellular Automata based Radiation Knife for Radiosurgery and Method of its working", Indian Patent No. 201631045061 dated 30/12/2016.

Books:

Authored:

P. Dutta and A. Pal, Authored Book entitled "Complete Reference for Design and Analysis of Algorithms", (for Computer Science and Engineering) published by Matrix Educare Eleventh Edition in July 2016.

P. Dutta and A. Pal, Authored Book entitled "Complete Reference for Design and Analysis of Algorithms", (for Information Technology) published by Matrix Educare, Fourth Edition in January 2016.

P. Dutta and A. Pal, Authored Book entitled "Complete Reference for Advanced Computer Architecture", published by Matrix Educare Tenth Edition in January 2016.

P. Dutta, K. Dasgupta, S. Bhattacharyya and M Biswas, Authored Book entitled "Complete Reference for Internet Technology", published by Matrix Educare Third Edition in August 2016.

S. De, S. Bhattacharyya, S. Chakraborty and P. Dutta, Authored Book entitled "Hybrid Soft Computing for Multilevel Image and Data Segmentation", published by Springer International Publishing AG, Switzerland, DOI: 10.1007/978-3-319-47524-0, ISBN: 978-3-319-47523-3, 2016.

Edited:

S. Bhattacharyya, P. Dutta and S. Chakraborty, Edited Book entitled "Hybrid Soft Computing Approaches: Research and Applications", Springer India, DOI: 10.1007/978-81-322-2544-7_15, Print ISBN: 978-81-322-2543-0, Online ISBN: 978-81-322-2544-7, Series Title: Studies in Computational Intelligence, Series Volume: 611, Series ISSN: 1860-949X 2016.

S. Bhattacharyya, U. Maulik and P. Dutta, Edited Book entitled "Quantum Inspired Computational Intelligence: Research and Applications", First Edition, Morgan Kaufmann an Imprint of Elsevier, ISBN: 9780128044094, 2016.

Journals:

V. K. Ojha, P. Dutta, A. Chaudhuri and H. Saha, "A multi-agent concurrent neurosimulated annealing algorithm: A case study on intelligent sensing of manhole gases", International Journal of Hybrid

Intelligent Systems, vol. 12, no. 4, pp. 185 – 202, IOS Press, 2016.

V. K. Ojha, P. Dutta, A. Chaudhuri and H. Saha, “Understating continuous ant colony optimization for neural network training: A case study on intelligent sensing of manhole gas components”, International Journal of Hybrid Intelligent Systems, vol. 12, no. 4, pp. 203 – 217, IOS Press, 2016.

S. De, S. Bhattacharyya and P. Dutta, “Automatic magnetic resonance image segmentation by fuzzy intercluster hostility index based genetic algorithm: An application”, Applied Soft Computing, pp. 669 – 683, 2016. Elsevier DOI: .1016/j.asoc.2016.05.042

V. K. Ojha, P. Dutta and A. Chaudhuri, “Identifying Hazardousness of Sewer-Pipeline Gas-Mixture using Classification Methods” Neural Computing Application, (WoS, IF 1.49). 2016. (Accepted)

A. Banerjee, P Dutta and A. Sufian, “Fuzzy-controlled Scheduling of Real Time Data Packets (FSRP) in Mobile Ad Hoc Networks”, International Journal of Computer Science and Mobile Computing, vol. 5, no. 5, pp 507 – 573, 2016. ISSN 2320–088X.

M. Ghosh, D. Mukhopadhyay and P. Dutta, “A Study on 2 Dimensional 2 Dot 1 Electron Quantum Dot Cellular Automata based Reversible 2:1 MUX Design: An Energy Analytical Approach”, International Journal of Computers and Applications, Taylor and Francis, Journal ISSN: 1925-7074, DOI: 10.1080/1206212X.2016.121829.

A. Banerjee, P Dutta and A. Sufian, “Fuzzy Route Switching for Energy Preservation (FEP) in Ad hoc Networks”, Indian Journal of Science and Technology, vol. 9(43), 2016. DOI: 10.17485/ijst/2016/v9i43/104383,

A. Sufian, P Dutta and A. Banerjee, “Fuzzy-Controlled Scheduling of Route-Request Packets (FSRR) in Mobile Ad Hoc Networks”, Indian Journal of Science and Technology, vol. 9(43), 2016. DOI: 10.17485/ijst/2016/v9i43/104383,

K. Datta, D. Mukhopadhyay and P. Dutta, “Design and analysis of an energy efficient and compact two-dimensional two-dot one-electron quantum-dot cellular automata-based ripple carry adder”, International Journal of Convergence Computing, vol. 2, no. 3, pp. 161 – 182, Inder Science Publishers, ISSN online: 2048-9137 ISSN print: 2048-9129.

Conference Proceedings

K. Datta, D. Mukhopadhyay and P. Dutta, “Design of a Ripple Carry Adder using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata”, in proceedings of Third International Conference on Information System Design and Intelligent Applications (INDIA 2016) at Anil Neerukonda Institute of Technology & Sciences, Sangivalasa, Visakhapatnam, India, pp. 263-270, ISBN: 978-81-322-2755-5, 2016

K. Datta, D. Mukhopadhyay and P. Dutta, “Design of Parity Generator and Checker using 2-Dimensional 2-Dot 1-Electron Quantum-dot Cellular Automata”, in proceedings of IEEE Sponsored Third International Conference on Microelectronics, Circuits and Systems (Micro – 2016), Science City, Kolkata, India, pp. 10-15, ISBN: 978-93-80813-45-5, July 2016.

M. Ghosh, D. Mukhopadhyay and P. Dutta, “Design of an Efficient 2-Dot 1 Electron QCA based Non-reversible Adder”, in proceedings of Third International Conference on Microelectronic Circuit and System (Micro-2016), Science City, Kolkata, India, pp. 106-112, 2015, ISBN : 978-93- 80813-45- 5, July 2016,

D. Bhowmik, A. K. Saha and P. Dutta, “A Novel Design to Obtain Fault Tolerant Majority Gate for Five Input Majority Gate by Quantum Cellular Automata”, in proceedings of International

Conference on Micro-Electronic and Telecommunication Engineering (ICMETE 2016), SRM University, Gaziabad, India, pp. 429 - 433, ISBN ISBN-13: 978-1-5090-3411-6, September 2016, Book Chapters

J. Hazra, A. RoyChowdhury and P. Dutta, (eds. S. Bhattacharyya, P. Dutta and S. Chakraborty),. “Immune-Based Feature Selection in Rigid Medical Image Registration Using Supervised Neural Network”, in Hybrid Soft Computing Approaches: Research and Applications, (Part II), pp. 429-456, Springer India, DOI: 10.1007/978-81-322-2544-7_15, Print ISBN: 978-81-322-2543-0, Online ISBN: 978-81-322-2544-7, Series Title: Studies in Computational Intelligence, Series Volume: 611, Series ISSN: 1860-949X 2016.

J. Hazra, A. RoyChowdhury and P. Dutta, (eds. S. Bhattacharyya, P. Banerjee, D. Majumdar and P. Dutta),. “Cluster Based Medical Image Registration Using Optimized Neural Network”, in Handbook of Research on Advanced Hybrid Intelligent Techniques and Applications, pp. 551-581, IGI Global, ISBN 978-1-4666-9474-3 (hardcover) — ISBN 978-1-4666-9475-0 (e-BV. K. Ojha, P. Dutta, A. Chaudhuri and H. Saha, (eds. S. Bhattacharyya, P. Dutta and S. Chakraborty),. “Convergence Analysis of Backpropagation Algorithm for Designing an Intelligent System for Sensing Manhole Gases”, in Hybrid Soft Computing Approaches: Research and Applications, (Part II), pp. 215-236, Springer India, DOI: 10.1007/978-81-322-2544-7_15, Print ISBN: 978-81-322-2543-0, Online ISBN: 978-81-322-2544-7, Series Title: Studies in Computational Intelligence, Series Volume: 611, Series ISSN: 1860-949X 2016.

J. P. Singh and P. Dutta, (eds. J. K. Mandal, S. Mukhopadhyay, and T. Pal),. “Source Location Privacy Using Ant Colony Optimization in Wireless Sensor Networks”, in Handbook of Research on Natural Computing for Optimization Problems, pp. 551-581, IGI Global, USA, DOI: 10.4018/978-1-5225-0058-2.ch010, ISBN 9781522500582 (hardcover) | ISBN: 9781522500599 Invited lecture in the TEQIP – II sponsored One week Faculty Development Programme on “Pedagogy and Research Methodology” organized by and at the RCC Institute of Information Technology, Kolkata held during 01/08/2016 to 05/08/2016.

Invited lecture in the TEQIP – II sponsored International Workshop on “Computational Science and Technology” organized by and at the Department of Computer Science and Engineering of College of Engineering and Management, Kolaghat held during 16/07/2016 to 18/07/2016.

Invited lecture in the TEQIP – II sponsored National Level Orientation and Faculty Development Programme on “Hybrid Intelligence” organized by and at the Department of Information Technology of RCC Institute of Information Technology, Kolkata held during 18/01/2016 to 22/01/2016.

Invited lecture in the TEQIP – II sponsored Three days’ Workshop on “Big Data and Cloud Computing” organized by and at the Department of Computer Science and Engineering of College of Engineering and Management, Kolaghat held during 24/09/2016 to 26/09/2016.

Invited lecture in the TEQIP – II sponsored Workshop on “Research Methodology and LATEX” organized by and at the Department of Computer Science and Engineering of Narula Institute of Technology, Kolkata during 24/10/2016 to 28/10/2016.

Award

Life Fellow of the Institution of Engineers, India (F 121919-3) since 2016.

Academic Programme Coordinated

Coordinated Self financed Three days’ workshop on “LATEX: The Ultimate in Technical Report

Writing” organized jointly by the Department of Computer Science and Engineering and A. K. Chaudhury School of Information Technology of the University of Calcutta in technical collaboration with the ACM Professional Chapter, Kolkata during 25 – 27 March 2016.

Coordinated Self financed One day workshop on “Technical Content Writing using LaTeX” organized by the Department of Information Technology and Systems of the Calcutta Business School in technical collaboration with the Computer Society of India, Kolkata Chapter on 29/05/2016.

Balaram Bhattacharyya

Paper Published

“A new statistical distance useful for analyzing exons and introns of eukaryotic genes.” Uddalak Mitra and Balaram Bhattacharyya, Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB), 2016 2nd International Conference on. IEEE, 2016.

“Common Subcluster Mining to Explore Molecular Markers of Lung Cancer”, Arnab Sadhu, and Balaram Bhattacharyya, In Proceedings of the First International Conference on Intelligent Computing and Communication, pp. 47-56. Springer Singapore, 2017.

“Discovery of cancer linked biomarker genes through common subcluster mining”, Arnab Sadhu and Balaram Bhattacharyya, In Proceedings of International Conference on Bioinformatics and Systems Biology (BSB), pp. 1-5. 2016 IEEE, March 2016.

Paper Presented in conference

“Alignment independent sequence analysis based on interval distribution: Application to subtyping and classification of viral sequences”. Uddalak Mitra and Balaram Bhattacharyya, Industry Interactive Innovations in Science, Engineering and Technology (I3SET), held at JIS College of engineering, Kalyani, October 25-26, 2016 (Under publication by Springer).(Presented by Ph.D student, Uddalak Mitra)

“Phenotype interweaved network of genes using rough set. Arnab Sadhu and Balaram Bhattacharyya, International Conference on Computing and Communication System (I3CS-2016), held at North Eastern Hill University - Shillong, India, 11-13th November 2016 (under publication by Springer). (Presented by Ph.D student, Arnab Sadhu)

“Classification of dsDNA virus through sequence patterns”, Uddalak Mitra and Balaram Bhattacharyya, International Conference on Computing and Communication System (I3CS-2016), held at North Eastern Hill University - Shillong, India, 11-13th November 2016 (under publication by Springer). (Presented by Ph.D student, Uddalak Mitra)

Utpal Roy

Journal

Bhowmik, T. K., Parui, S. K., Roy, U., & Schomaker, L. (2016). Bangla Handwritten Character Segmentation Using Structural Features: A Supervised and Bootstrapping Approach. ACM Transactions on Asian and Low-Resource Language Information Processing, 15(4), 29.

Das, B., Misra, S., & Roy, U. (2016). Coalition formation for cooperative service-based message sharing in vehicular ad hoc networks. IEEE Transactions on Parallel and Distributed Systems, 27(1), 144-156.

Roy, A., Parui, S. K., & Roy, U. (2016). SWGMM: a semi-wrapped Gaussian mixture model for clustering of circular-linear data. Pattern Anal. Appl., 19(3), 631-645.

Roy, S., Roy, U., & Sinha, D. D. (2016). Performance Evaluation of Various Distance-based

Data-Mining Classifiers on Typing Patterns for User Authentication/Identification. *International Journal of Innovative Research and Development*, 5(2).

S. Roy, U. Roy, D.D. Sinha, "ACO-Random Forest Approach to Protect the Kids from Internet Threats through Keystroke", *International Journal of Engineering and Technology*, ISSN 0975-4024 (UGC Approved), 2017, (Accepted).

S. Roy, U. Roy, D.D. Sinha, "User Authentication: Keystroke Dynamics with Soft Biometric Features", *Internet of Things (IOT) Technologies, Applications, Challenges and Solutions*, CRC Press Taylor & Francis Group, Boca Raton, FL 33487-2742, Chapter 6, ISBN: 978-1-138-03500-3, 2017(Feb), (Accepted).

Conference

Roy, S., Roy, U., & Sinha, D. D. (2016). Comparative Study of Various Features-Mining-Based Classifiers in Different Keystroke Dynamics Datasets. In *Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 1* (pp. 155-164). Springer International Publishing.

Roy, S., Roy, U., & Sinha, D. D. (2016). Security Enhancement of Knowledge-based User Authentication through Keystroke Dynamics. In *MATEC Web of Conferences* (Vol. 57). EDP Sciences.

S. Roy, U. Roy, D.D. Sinha, "Various Statistic, Distance and Data-mining Based Classifiers on Rhythmic Keystroke Database", *Third International Conference on Computing and Systems 2016, ICCS 2016*, University of Burdwan, Burdwan, Jan, 2016, pp. 226-232, ISBN: 978-93-85777-13-4.

Achievements and Awards

Listed for Mother Teresa Excellence Award 2017 by India International Society.

Listed for India-International Achivers, Award 2017 by Indian Achievers' Forum.

Listed for The 2017 Albert Nelson Marquis Lifetime Achievement Award.

Ms. Kakali Datta

Patent

Sudipta Roy, Paramartha Dutta, Debarka Mukhopadhyay and Kakali Datta, "Quantum Dot Cellular Automata based Radiation Knife for the Radiosurgery and Method of its working", *Indian Patent No. 201631045061 Dated 30/12/2016*

Journal

Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. "Design and analysis of an energy efficient and compact two-dimensional two-dot one-electron quantum-dot cellular automata based ripple carry adder". *International Journal of Convergence Computing (IJCONVC)*, Vol. 2, No. 2, pages 161-182, 2016.

Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. "Comprehensive study on the performance comparison of logically reversible and irreversible parity generator and checker designs using two dimensional two-dot one-electron QCA". *Microsystem Technologies*, Springer Berlin Heidelberg, pages 1-9, DOI: 10.1007/s00542-017-3445-2, Print ISSN 0946-7076, Online ISSN 1432-1858, 2017.

Conference

Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. "Design of a bcd adder using 2-

dimensional two-dot one-electron quantum-dot cellular automata”. Proceedings of the First International Conference on Intelligent Computing and Communication (ICIC2-2016), pages 345-354, 2017.

Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. “Design of two-bit Gray code counter using two-dimensional two-dot one-electron QCA”. Proceedings of First International Conference on Computational Intelligence, and Business Analytics (CICBA-2017), In press.

Kakali Datta, Debarka Mukhopadhyay and Paramartha Dutta. “Two-dot one-electron QCA design of parity generator and checker”. Proceedings of 3rd International Conference on Microelectronics, Circuits and Systems (MICRO-2016), ISBN: 978-93-80813-45-5.

Conference Attended

IEEE Sponsored 3rd International Conference on ‘Microelectronics, Circuits and Systems’ Micro-2016 during 9-10th July, 2016

First International Conference on Computational Intelligence, and Business Analytics (CICBA-2017), at Calcutta Business School during 24-25th March, 2017

H index and i10 index (as on 30.06.2017):

Name of the Faculty	Designation	H index	i10 index
Alak Kumar Datta	Professor	9	9
Paramartha Dutta	Professor	16	36
Balaram Bhattacharyya	Professor	2	0
Utpal Roy	Professor	11	14
Tathagato Mukhopadhyay	Associate Professor	Nil	Nil
Kakali Datta	Assistant Professor(Senior scale)	1	0
Subhasis Banerjee	Assistant Professor(Senior scale)	NA	NA
Sanchita Pal Choudhuri	Assistant Professor(Senior scale)	NA	NA
Madhusudan Paul	Assistant Professor	Nil	Nil
Debaditya Barman	Assistant Professor	2	0

Designing New Course / Curriculum or any other teaching innovations introduced by the Department:

Department has designed the syllabus of proposed M.Tech. in Computer Science.

A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development. Nil.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included. Nil.

DEPARTMENT OF ENVIRONMENTAL STUDIES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE examination:

Sl. No.	Name of the Student	Qualifying examination
1	Utpal Majee	UGC (LS)

Departmental Seminar:

The Department organized the following seminar:

Sl.	Name of the Speaker	Title	Date
1	Prof. D. K. Khan, University of Kalyani, West Bengal	Low cost and economically viable safe water options for Arsenic polluted areas of West Bengal	22 nd April, 2016
2	Dr. T. K. Dalai, IISER, Kalyani, West Bengal	Sources and cycling of heavy metals in the Hooghly estuary: Solute - Particle interaction and enhancement of riverine fluxes to the ocean	12 th July, 2016
3	Prof. D. K. Khan, University of Kalyani, West Bengal	Radiation and energy balance in rice ecosystem	16 th July, 2016
4	Prof. Md. Alamgir, Vice-Chancellor, KUET, Bangladesh	Waste management and resource recovery in Bangladesh	2 nd November 2016
5	Dr. D. Roychoudhury, Visva Dharna Hospital, Kolkata	Stress management- A talk show	2 nd February 2017

Besides, there are about 15 seminar presentations from Ph.D. scholars and M.Sc. students of the department during the last one year.

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail

Shibani Chaudhury

1. Awareness Talk : Environment and Climate Change at All India Radio, Santiniketan, 5 June, 2016
2. Invited Speaker: Department of Biology, York University, Canada, 31 October, 2016
Topic: Integration of Biomass Energy and Solar Energy for electrification of Rural India

3. Invited Speaker: Workshop on Integrated Low Carbon Energy Solutions for Remote Rural Areas, EPSRC Pump Priming for Global Challenge Research, 1-3 February, 2017, Organized by Dr Valerie Dupont, Reader in Low Carbon Energy, School of Chemical and Process Engineering Energy Building, The University of Leeds, UK
4. "A novel bioassay for rapid determination of endophyte-infected grass toxicity using a frugal innovation approach" by Dawn R. Bazely, Shibani Chaudhury, Mark Vicari, Priti Mishra, B. Kallay, I. Zaka, M. Khan, Rajeshwari Solanki, Juan Nieto, Paulina Szeremeta, D. Presta, M. Kim, H. Deol, E. Doustov, F. Pardo, in the Conference: Gordon Research Conference, February 12-17, 20, Ventura, CA, USA
5. Chief Guest and Key Note Speaker : National Seminar on Conservation of Forests and Energy for Sustainable Development, 21-22 March, 2017, Organized by Department of Environmental Science, Fakir Mohan University, Odisha, India on the Topic "Use of alternative energy : an approach towards sustainable development"

Pratap Kumar Padhy

1. Karmakar, D. and Padhy, P. K. (2016). Response of air pollution to biochemical parameters in neem (*Azadiracta indica*) trees of Barjora forest, Bankura. National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) Visva-Bharati, Sriniketan, West Bengal, during December 4, 2016.
2. Majee, C. K., Ali, S.Y. and Padhy, P. K. (2016). Impact of atmospheric dust on allometry of Tulsi plant (*Oscimum sanctum*). Paper presented in Recent Trends in Agriculture and Allied Science for Better Tomorrow (NSRTAS-2016). Organized by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati and The Society of Bio-resource, Environment and Agriculture Research, Santiniketan, during 4th December 2016.
3. Padhy, P. K. (2017). Air pollution versus climate change: A hindrance for achieving sustainable development goals. International Conference on Climate Change and Sustainable Development (ICCCSD-2017). Organized jointly by GM University, Sambalpur and Odisha State Open University, Odisha, during 18-19th March 2017.

S. Balachandran

1. Mousumi Pal, Raza Rafiqul Hoque, Srinivasan Balachandran "Bioavailable fraction of Zinc and its associated human health risk assessment in the indoor dust of Durgapur, West Bengal" IST International Conference On Resource, Environment And Agricultural Sciences (ICBEAS)" February 4-6, 2017, Organised by Palli Siksha Bhavana (Institute Of Agriculture), Visva-Bharati Sriniketan, West Bengal, India And Society Of Bio-Resource, Environment And Agricultural Research, Santiniketan
2. Manohar TM and S. Balachandran, "Effects of fluoride on bones, skeletal system – A pilot study at fluoride affected endemic district Dharmapuri district" Paper presented in International Symposium On Bioscience Research For Present And Future Biomillennium' 17, 7th & 8th March, 2017, Vivekanandha College Of Arts And Sciences For Women (Autonomous) & College Of Engineering For Women (Autonomous) Elayampalayam-637 205, Tiruchengode, Namakkal, Tamilnadu,

3. Ramesh K and S Balachandran, "Traditional knowledge in management of water bodies and ecosystem maintenance in Perambalur district of Tamil Nadu", Paper presented in International Symposium On Bioscience Research For Present And Future Biomillennium' 17, 7th & 8th March, 2017, Vivekanandha College Of Arts And Sciences For Women (Autonomous) & College Of Engineering For Women (Autonomous) Elayampalayam-637 205, Tiruchengode, Namakkal, Tamilnadu,.
4. Manash Gope and S. Balachandran "Levels and Risk Assessment of Manganese (Mn) in road dust of Asansol, West Bengal" in the national seminar "1 st Regional Science and Technology Congress" held in Bankura Christian College (Bardhaman Division) organized by Department of Science and technology, Govt. of West Bengal on 7th – 8th November, 2016.
5. Manash Gope and S. Balachandran "Solid Phase Distribution and Health risk of Lead and Cadmium in roadside Deposited Dust of Asansol, West Bengal, India" in the "International Conference on Contaminated Site Remediation (CleanUp 2016) held at Coimbatore, Tamil Nadu Agricultural University in association with CRC CARE, Australia during 13 th – 15 th December, 2016.
6. Tanmay Laha and S. Balachandran "Health Risk Of Selected Heavy Metals In The Playground Soils At Durgapur, West Bengal, India", in the "International Conference on Contaminated Site Remediation (CleanUp 2016) held at Coimbatore, Tamil Nadu Agricultural University in association with CRC CARE, Australia during 13 th – 15 th December, 2016.

Ongoing Research Projects in the Departments:

Shibani Chaudhury

a) Name of the Project: Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge : BioCPV.

A research project under the Indo-UK Collaborative Research Initiative on *Bridging the Urban and the Rural Divide*. (BURD)

Sponsoring agency: DST, New Delhi (Indian Side)

Amount Sanctioned: Rs.5,57,17,125/- of which amount for Visva-Bharati is Rs.2,26,70.325/-. Shibani Chaudhury (PI), Prof. A. Hazra (Co-PI) and Dr. S. Balachandran (Co-PI). The other Co-PIs are from IITM and IITB.

S. Balachandran

a) Name of the Project: Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge : BioCPV.

A research project under the Indo-UK Collaborative Research Initiative on *Bridging the Urban and the Rural Divide* (BURD).

Sponsoring agency: DST, New Delhi (Indian Side)

Amount Sanctioned: Rs.5,57,17,125/- of which amount for Visva-Bharati is Rs.2,26,70.325/-. Prof. Shibani Chaudhury (PI), Prof. A. Hazra (Co-PI) and Dr. S. Balachandran (Co-PI). The other Co-PIs are from IITM and IITB

Extension activities/NSS/cultural and other activities organized by the department and participated by the teachers and students of the department

The M.Sc. students, research scholars and faculty members of Department of Environmental Studies (DES) were actively involved in the Environmental Awareness Campaign in the Poush Mela 2016. During this three days programme, the students and faculty members of DES monitored various environmental quality parameters (air, noise, water) of the Mela ground and its adjoining area. The Environment Cell, Visva-Bharati carried out procession in the Mela ground to create awareness of menace of plastic carry bags & plastic cups during Poush Mela. Painting and Slogan competitions were also held. The response for these competitions from the general public including housewives was encouraging. The local tribal community also volunteered in this programme and sold their eco-friendly goods (such as vermi-compost manures, paper & gunny bags and handicrafts etc) from the stall.

The department organized Rally in the topic, 'Save Planet Earth' on International Earth Day 2017 (22nd April 2017) in the Visva-Bharati Campus on different issues and challenges, viz., problems of energy, wastes, plastic etc. faced by the planet Earth.

i) Pratap Kumar Padhy

1. Invited as Chief Guest for the Investiture Ceremony of ST. Teresa's School, Bolpur on 24th March 2017.

ii) S. Balachandran

1. Jury member in IST International Conference On Resource, Environment And Agricultural Sciences (ICBEAS)" February 4-6, 2017, Organised by PalliSikshaBhavana (Institute Of Agriculture), Visva-Bharati Sriniketan, West Bengal, India And Society Of Bio-Resource, Environment And Agricultural Research, Santiniketan

Academic distinctions gained by Teacher /Scholars or Department as a whole: Nil

Publications within the year April 2016 -March 2017:

1. Syed Yakub Ali, Moumita Paul and Shibani Chaudhury, EDTA-enhanced phytoextraction of Cd and Pb in spiked soil with Marigold and associated potential leaching risk, *International Journal of Environmental & Agriculture Research (IJOEAR)* May- 2016, 2:5, 114-118, ISSN:[2454-1850]
2. Syed Yakub Ali, Sambhu Nath Banerjee and Shibani Chaudhury, Phytoextraction of cadmium and lead by three vegetable-crop plants, *Plant Science Today*, 2016, 3:3, 298-303, ISSN: 2348-1900
3. R. Goswami,, P. Chattopadhyay, A. Shome, S.N. Banerjee, A. K. Chakraborty, A.K. Mathew, Shibani Chaudhury, An overview of physico-chemical mechanisms of biogas production by microbial communities: a step towards sustainable waste management, *3 Biotech*, 2016, 6:72, 1-12,, DOI 10.1007/s13205-016-0395-9
4. Syed Yakub Ali and Shibani Chaudhury, EDTA-Enhanced Phytoextraction by *Tagetes* sp. and Effect on Bioconcentration and Translocation of Heavy Metals, *Environ. Process*, 2016, 3, 735-746, DOI 10.1007/s40710-016-0180-0.
5. Syed Yakub Ali and Shibani Chaudhury, Study of the Railway noise level in Bolpur and Prantik Station, *India Res. J. Recent Sci* 2016, 5:4, 23-28, E-ISSN 2277-2502

6. Sinha D., Goswami R., Bhui I., Chakraborty A.K., Banerjee S>N., Balachandran S., Chaudhury S. Isolation and characterisation of cellulolytic fungi from active anaerobic digesters. (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).
7. Banerjee S.N., Roy N.G., Balachandran S., Hazra A.K., and Chaudhury S. Role of innovative designs on the use of renewable energy for awareness generation and knowledge extensions of the tribal communities in a village of Santinketan. (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).
8. S. Chaudhury, A.K. Hazra and S. Balachandran, Edited book “Green Energy and Sustainable Environment” Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).
1. Nayek, S. and Padhy, P. K. (2017). Daily personal exposure of women cooks to respirable particulate matters during cooking with solid bio-fuels in a rural community of West Bengal, India. *Aerosol and Air Quality Research*, 17, 245-252.
2. Ghosh, S., Majee, C. K. and Padhy, P. K. (2017). Respiratory health assessment using spirometry: A study of school going children of Bolpur and Durgapur *In*: Human Development and Sustainability: Challenges and Strategies. Sarkar, A. K. & Ghosh, P. K. (eds.), Atlantic Publishers and Distributors Pvt. Ltd, New Delhi (ISBN: 978-81-269-2307-6), pp 192-200.
3. Rabha, R., Karmakar, D., Ghosh, S., Nayek, S. and Padhy, P. K. (2016). Effects of wood use on lung functions of women in Assam, India. *In* Green Energy and Sustainable Environment. Chaudhury, S., Hazra, A. K. and Balachandran, S. (eds.), Akshar Prakashni, Bolpur (ISBN: 978-81-922916-6-6), pp. 231-236.
4. Nayek, S., Ghosh, S., Karmakar, D., Rabha, R. and Padhy, P. K. (2016). Deterioration of women’s health due to cooking using traditional solid bio-energy. *In* Green Energy and Sustainable Environment. Chaudhury, S., Hazra, A. K. and Balachandran, S. (eds.), Akshar Prakashni, Bolpur (ISBN: 978-81-922916-6-6), pp. 253-261.
1. Biswas P., Ali S. Y., Patra P.K., 2016 Effect of Arsenic in germination, growth and biochemistry of Rice (*Oryza sativa*). *International Journal of Environment, Agriculture and Biotechnology*, 1(3): 321-325.
2. Chakrabarti S., Patra P.K., 2016 Chemical Analysis Of Ground Water of Bolpur Block, Birbhum, West Bengal, India. *Rasayan Journal of Chemistry*, 9(4): 627 – 633.
3. Chowdhury, P. K. Patra, S. Chaudhury, 2017 Physico-chemical characterization of water quality in the Bastacola coalmine regions of Jharia coalfield, Dhanbad, India *International Research Journal* Vol. 5(2), 1-8.
4. Banerjee S., Mukherjee A., Thakur S., Saikia B., Samanta S., Dutta P. and Patra P.K., 2016 Solar energy and its partitioning over different crop surfaces: A case study (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).
5. Patra P. K.. 2016 Wind energy: aspects and prospectys study (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp 85-101. (ISBN 978-81922916-6-6).

6. Patra P. K.. 2017 Indian Summer Monsoon(ISM): variability and Predictability (*In*) 'Water resources: mapping, monitoring and management (eds. P.K.yyagi, A. Chauhan and and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 72-91. (ISBN 978-93-5056-861-3)
7. Patra A.K., Patra P. K. and Patra R.K., 2017 Climate Change and Indian Agriculture (*In*) 'Water resources: mapping, monitoring and management (eds. P.K.yyagi, A. Chauhan and and P K Bharti). 'Agriculture crops and food security' (eds.P K Bharti and A. Chauhan). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 152-166. (ISBN 978-93-5056-861-3)
8. Patra P.K., Samanta S., Banerjee S. and Mukherjee A., 2017 Solar Radiation and Crop Growth (*In*) 'Agriculture crops and food security' (eds.P K Bharti and A. Chauhan). Discovery Publishing House Pvt. Ltd., New Delhi.Discovery Publishing House Pvt. Ltd., New Delhi. pp. 23-40. (ISBN 978-93-5056-881-1)
9. Patra P. K.. 2017 Biodiversity Conservation in India (*In*) 'Forest and Biodiversity Conservation (eds. A. Chauhan and and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 76-99. (ISBN 978-93-5056-873-6)
10. Patra P. K.. 2017 Environmental legislations in India: An overview (*In*) 'E-waste and Environmental Issues (eds. R. Bhalla Chauhan and and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 77-94. (ISBN 978-93-5056-886-6)
1. Tanmay Laha, Manash Gope, R. E. Masto, Sreemanta Datta, Srinivasan Balachandran (2016) Assessment of some PTES (CO, FE, AND MN) and their bioavailability in playground soils Khagra, West Bengal, India, International Journal of Bio-Resource, Environment And Agricultural Sciences (IJBEAS) Vol. 2(3) :345-358, 2016
2. Tanmay Laha, Manash Gope, R. E. Masto, Sreemanta Datta, Srinivasan Balachandran (2016) Influence Of Bell-Metal Industry On The Concentration And Speciation Of Lead (Pb) In The Playground Soil Of Khagra, West Bengal, International Journal of Bio-Resource, Environment And Agricultural Sciences (IJBEAS) Vol. 2(3) :333-344, 2016
3. Mahua Basu, S Balachandran, Xavier Savarimuthu, Arijit Basu, Nibha Mishra, (2017) Enzymatic targets for drug discovery against Alzheimer disease, Ed. Satya P Gupta, In advances in studies on enzyme inhibition of drugs, vol 2, ISBN 978-1-53610-505-6, Nova Science publication.
4. Manash Gope, Reginald Ebin Masto, Joshy George, Raza Raqul Hoque, Srinivasan Balachandran (2017) Bioavailability and health risk of some potentially toxic elements (Cd, Cu, Pb and Zn) in street dust of Asansol, India, Ecotoxicology and Environmental Safety 138, 231–241
5. Sinha D., Goswami R., Bhui I., Chakraborty A.K., Banerjee S>N., Balachandran S., Chaudhury S. Isolation and characterisation of cellulolytic fungi from active anaerobic digesters. (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).
6. Banerjee S.N., Roy N.G., Balachandran S., Hazra A.K., and Chaudhury S. Role of innovative designs on the use of renewable energy for awareness generation and knowledge extensions of the tribal communities in a village of Santinketan. (*In*) Green Energy and Sustainable Environment (eds S. Chaudhury, A.K. Hazra and S. Balachandran) Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).

7. S. Chaudhury, A.K. Hazra and S. Balachandran, Edited book “Green Energy and Sustainable Environment” Akshar Prakashni, Bolpur. pp16-27. (ISBN 978-81922916-6-6).

Designing new course/curriculum or any other teaching innovations introduced by the department: Nil

A brief history of the development of the Bhavana/Sadana/Vibhaga concerned with an indication of future plans for development:

The Department of Environmental Studies (DES), Siksha Bhavana, Visva-Bharati was established in 1999 during the IXth Plan period as the Centre for Environmental Studies. The Centre became a Department in the year 2012. The Department provides new dimensions in the various fields of environment with an interdisciplinary approach. It also highlights the distinguishing features of culture, tradition and ethos of Rabindranath Tagore regarding thorough global perspective and trends. The Department started its academic curriculum from the session 2000-2001, with the teaching of compulsory course in environmental studies for all second year undergraduate students of the university. The Department introduced M.Sc. and Ph.D course in Environmental Sciences from 2003 and started M. Sc. Course in Environmental Science from the session 2003-04. The faculty members of the Department are doing research work on different aspects of environment. During the year 2014-15, the department has got the DST-FIST sanction grant of Rs. 1.0 crore and some sophisticated instruments have been procured out of the FIST grant (Ist installment) already and the department will develop good infrastructure for quality research, in different fields of environment. One of its founding objectives has been to act as a Nodal Department in the Eastern India, in the field of Environmental Studies.

Any other relevant information:

The faculty members of DES actively participate in environmental awareness programme in and around Santiniketan – Sriniketan - Bolpur areas. Resource persons are invited to the Department to help the students in different environmental activities.

DEPARTMENT OF BIOTECHNOLOGY

Name of the students qualified in UGC/CSIR/ NET/SLET and GATE Examinations:

GATE

DBT JRF

CSIR NET

ICAR NET

UGC NET

(Lecturership)

ICMR

Saikat Dey (2015-2017 batch)

Saheli Kundu (2014-2016 batch)

Yogita Sarki (2013-2015 batch), Sanchari Chatterjee (2013-2015 batch), Soumya

Sengupta (2013-2015 batch), Abdur Rahaman (2013-2015 batch)

Ashutosh Kundan (2014-2016 batch)

Abdur Rahaman (2013-2015 batch)

Departmental Seminar (Speakers, Title of the Seminar, Date)

a) Dr. H R Bairagya, AIIMS, New Delhi delivered a talk on "New insights into the dynamics of enzymes

and nucleic acids: Computational approaches for conserved water based drug discovery" on 06 March, 2017.

Only National and International standard Conference/ Seminar/ Workshop/ Exhibition etc. attended by Teachers/ Research Scholars in details.

Tathagata Choudhuri

a) Invited Lecture by Dr Tathagata Choudhuri during IVS 2016 (International Conference)

b) Poster presentation by Ms Piyanki Das during IVS 2016 (International Conference)

c) Poster presentation by Mr Koustav Chatterjee during IVS 2016 (International Conference)

d) Invited Lecture by Dr Tathagata Choudhuri Flow cytometry Workshop at West Bengal State University during November 2016

e) Invited Lecture by Dr Tathagata Choudhuri International Seminar on Microbiology at West Bengal State University during August 2016

Nilanjana Das

a) Attended Summer School (Refresher School) from June 8-29, 2016 at UGC-HTDC Lucknow University

b) Attended workshop on Student Counselling from Feb. 9-11, 2017 at Visva-Bharati

Jolly Basak

Poster presentation of Research Scholars:

a) Nibedita Chakraborty and Jolly Basak. Mungbean yellow mosaic India virus infection highlights the differential response of viral genes in resistance/susceptibility in Vigna mungo. International Symposium on "Plant Biotechnology for Crop Improvement" at the Indian Institute of Technol-

- ogy Guwahati, Guwahati, Assam - 781039, January 20-21st, 2017.
- b) Padmalochan Hembram and Jolly Basak. Identification and characterisation of differentially expressed salinity stress responsive transcripts in *Phaseolus vulgaris* (L.) cv. S-9. International Symposium on "Plant Biotechnology for Crop Improvement" at the Indian Institute of Technology Guwahati, Guwahati, Assam - 781039, January 20-21st, 2017.
 - c) Sonali Bej and Jolly Basak. Salinity stress induced variation in cytosine methylation in French Bean (*Phaseolus vulgaris* L.). National Symposium on "Plant Biotechnology: Current perspectives on medicinal and crop plants" at the CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata: 700032, West Bengal, India, March 3-5th, 2017.
 - d) Nisha Patwa and Jolly Basak. Identification and Characterization of *Phaseolus vulgaris* micro RNAs under mungbean yellow mosaic, India Virus Infection. National Symposium on "Plant Biotechnology: Current perspectives on medicinal and crop plants" at the CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata: 700032, West Bengal, India, March 3-5th, 2017.
 - e) Nibedita Chakraborty and Jolly Basak. Transcriptome profiling of *Vigna mungo* upon mungbean yellow mosaic India virus infection. National Symposium on "Plant Biotechnology: Current perspectives on medicinal and crop plants" at the CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata: 700032, West Bengal, India, March 3-5th, 2017.

Oral presentation of Research Scholar:

- a) Sk. Md. Nasim and Jolly Basak. Methylation-Sensitive Amplification Polymorphism (MSAP) - a simple and reliable technique for epigenetic study. National Seminar on "Recent Trends in Life Science" at the Department of Zoology, Raiganj University, Raiganj-733134, West Bengal, India, March 26th, 2017.

Achievements:

- a) Sk. Md. Nasim awarded as best volunteer at Vittiya Saksharata Abhiyan (VISAKA) of Ministry of Human Resource Development, Government of India for digital financial literacy campaign during December 12th, 2016 to January 12th, 2017 from Visva-Bharati (A Central University).
- b) Sk. Md. Nasim awarded as CSIR-UGC National Eligibility Test (NET), Dec, 2016 qualified. Rank: LS-12 (UR), Subject: Life Sciences, Percentage: 64%.
- c) Dr. Jolly Basak received short term fellowship (one month tenure) from Alexander von Humboldt Foundation and visited Leibniz Institute of Plant Biology, Halle, Germany from 14th May to 12th June 2016.

Narottam Dey

- a) Participated in an UGC sponsored Short term course on Environmental Sciences at Academic Staff College, University of Burdwan from 24th May to 30th May, 2016.
- b) Attended 14th International Symposium on Rice Functional Genomics at Montpellier, France from 26th to 29th September, 2016 and presented a poster.
- c) Presented an oral talk and acted as chairperson in a National Seminar on "Recent Advances in Plant Science for the welfare of our people" on 30th November, 2016 at Sriprat Singh College,

Jiaganj, West Bengal.

d) Participated in an International Symposium on "Insight to Plant Biology in the Modern Era" at Bose Institute, Kolkata from 8th February to 10th February, 2017.

Samiran Saha

a) International conference. Poster Presented. Subhrajit Ganguly, Arijit Kumar Ghosh, Antara Banerjee and Samiran Saha; on "Partial Identification and Characterization of antioxidative activity of *Tinospora cordifolia* and its effectiveness as an immunomodulatory agent against murine visceral leishmaniasis? at 3rd International Conference on Perspective of cell signaling and molecular medicine. Venue: Bose Institute, Kolkata, India. From January 8-10, 2017.

Amit Roy

a) Moumita Choudhury and Amit Roy (2016). "Antimicrobial activity of *Avicennia alba*, a mangrove plant from Indian Sundarban estuary" published in the Proceedings of "National seminar on plant, the natural wonder: issues & concern", Sonamukhi, Bankura, 4-5 October 2016. Ed. Sunita Bandopadhyay, Dipak Kumar Hens, Partha Sarathi De. Bankura. Damodar Group. 129-135. ISBN 978-93-85775-06-2

5. Ongoing Research Projects in the Department

SI No.	Teacher	Project Name	Sponsoring Agency	Amount Sanctioned
1	Tathagata Choudhuri	KSHV induced Primary effusion lymphoma and its interaction with Nm23-H1 (As Principal Investigator) KSHV induced PEL and its interaction UGC with Nm23-H1 (As Principal Investigator) Medicinal Plant project ICAR-NERC	DBT	55+15+32+25 lakhs
2.	Dr Narottam Dey (as Co-P.I)	"Development of Multiple Kerneled rice through Plant Biotechnology"	DST-SERB	22,000.000
	Dr Narottam Dey (as Co-P.I)	"Effect of light and drought response on rice and wheat"	DST-Indo-Hungarian Programme	31,56,000
3.	Samiran Saha	Chemotherapeutic efficacy of Theaflavins on cancer cells through induction of autophagic cell death - Principal investigator.	DBT	25 lakh
4.	Samiran Saha	Medicinal Plants Project, Co-Investigator	ICAR, NEH region	23.2 lakh

Extension activities/NSS/Cultural/and other activities organized by the department and participated Teachers/students:

a) Annual Day Celebration of the department was carried out

Academic distribution gained by teachers/scholars of the department as a whole (like recognition as DSA or CAS etc.):

Awarded Fellow of Indian Virological Society , 2016 (Dr T Choudhuri, Phd)

Publication within the year April, 2016 - March, 2017 (Actual reference needed):

Sl. No.	Authors	Title	Journal	Year,Vol.	National/	Peer reviewed
1.	Sahu SK, Chakrabarti S, Roy SD, Baishya N, Reddy RR, Suklabaidya S, Kumar A, Mohanty S, Maji S, Suryanwanshi A, Rajasubramaniam S, Asthana M, Panda AK, Singh SP, Ganguly S, Shaw OP, Bichhwalia AK, Sahoo PK, Chattopadhyay NR, Chatterjee K, Kundu CN, Das AK, Kannan R, Zorenpuui, Zomawia E, Sema SA, Singh YI, Ghosh SK, Sharma K, Das BS, Choudhuri T.	Association of p53oncogenesis condon 72 Arg>Pro polymorphism with susceptibility to nasopharyngeal carcinoma: edicence from a case-control study and metaanalysis.		2016, May 9;5e225	Int.	Yes
2.	Banerjee M, Chattopadhyay S, Choudhuri T, Bera R, Kumar S, Chakraborty B, Mukherjee SK.	Cytotoxicity and cell cycle arrest induced by andrographolide lead to programmed cell death of MDA-MB-231 breast cancer cell line	J Biomed Science	2016 Apr. 16;23:40	Int.	Yes
3.	Chandan Kr. Jana & Nilanjana Das	Calorie Restriction Attenuates the AgeAssociated Decrease in Subunit of F1 ATP Synthase Activity in the Mouse Skeletal Muscles.		2016, 12 236-240	Int.	Yes
4.	Rachna Gupta, Nilanjana Das Deepa Bhagat, Srujana Sripathi	Biological activities of phytosynthesized Copper oxide and zinc oxide nanoparticles	Int. Journal of Innovative Pharmaceutic at Sciences & Research Sc. & Tech.	2016, 4, 1016-1028	National	Yes

5.	Chandan Kr. Jana, Nilanjana Das & Gunindra Nath Chattopadhyay	Improved extraction of humic acids from vermicomposed organic waste by a column-based continuous elution method.	Separation Sc. & Tech. 2780- 2789	2016,	Int.	Yes
6.		Tissue-specific effect of Coenzyme Q ₁₀ supplementation on the oxidative posttranslational modifications in the rat.	Open Pharma- ceutical Sc. Journal	2016, 3,196- 202	Int.	Yes
7.	Chakraborty N & Basak J	successful approach to unravel the molecular mechanism of plant- pathogen interaction in post-genomic era.	Research Journal oc Biotechno- logy	Im Press	Int.	Yes
8.	Bej S & Basak J	Abiotic stress induced epigenetic modifications in plants: How much do we know?	Springer book 'Plant -3-319- Epigenetics' Vol.8 Chp.24 (2017) Editors. Nikolaus Rajewsky, Stefan Jurga & Jan Barciszewski of the Springer Series on "RNA Technologies"	ISBN-978 55519-5	Int.	Invited
9.	Bej S and Basak J	Phylogenetic analysis of ATP- Binding Cassette (ABC) protein in the Fabaceae family.	Research Journal of Bioinfor- matics	3,1-11	Int.	Yes
10	Basak J	Tomato Yellow Leaf Curl Virus: A Serious Threat to Tomato Plants World Wide.	Journal of Plant Pathology and Microbiology	2016, 7: 346	Int.	Yes
11	Ganie SA, Karmakar J, Roychoudhury R, Mondal TK and Dey N	study on allelic diversity among rice lines and its wild species as well as relatives with simple sequence repeat and inter simple sequence repeat markers	Indian Jour. of Biotech- nology	Vol.15: 357-362	Int.	Yes

12	De AK., Dey N, Adak MK	Bio indices for 2,4-D sensitivity between two plant species: Azolla pinnata R.Br. and Vernonia cinerea L. with their cellular responses.	Physiology & Molecular Biology of plants	Vol.22(3): 371-380	Int.	Yes
13	Mamgain A, Biswas MK, Dey N	Yield loss assessment of Alternaria Leaf Blight of Rapessed-Mustered under the Agro-Ecological condition of W.B.	Int. J. Current Microbiol App. Sci	Vol.6 2369-2675	Int.	Yes

9. Designing new course/Curriculum or any other teaching innovations introduced by the department:

The syllabus for the two year M.Sc. curriculum has been updated in 2016 for taking effect from 2017-2018 academic year. In the updated syllabus, several new items of high academic values have been introduced, the papers have been reoriented and reading of classical research articles of high impacts have been made mandatory for the students. These changes will make the students become very well-conversant with the modern trends in Biotechnology.

10. A brief history of the of the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

11. Any other relevant information, which in the opinion of the HOD is worth reporting should be included:

The Department of Biotechnology in Visva-Bharati, after spending about eighteen years in another building of Siksha-Bhavana in an extremely tight space of about only 2000 sq. ft., moved to the new Integrated Science Building of Siksha-Bhavana in the year 2015. Needless to say that within the small space of the department earlier, with seven teachers and inadequate facilities (due to the extremely small space) the growth of the department was very much limited. Now with the availability of relatively larger quantity of space, the growth of the department has started. The department now has better space to purchase and house new equipments, modernize class rooms, modernize teaching curriculum. Availability of even larger space to accommodate some extremely needed facilities will augment its teaching and research curriculum even further.

The department hopes the university will extend its support towards the betterment of this department which had languished so long in spite of its potential as a subject of study and research and overall interest among the students from all corners of the country.

CENTRE FOR MATHEMATICS EDUCATION

The Centre was created in the IXth Five-year Plan as per recommendations of the UGC visiting team. Professor Syamal Kumar Samanta was the founding Professor-in-charge of the Centre. At present Professor Swapan Raha is in charge of the Centre. There is no permanent faculty. Since its inception the Centre has been undertaking research activities leading to the award of the degree of Ph.D. of Visva-Bharati. Most of the research carried out at the centre is interdisciplinary in nature — educational aspects of Mathematics. It depends heavily on education, philosophy, child psychology, statistics, behavioural and cognitive sciences. Faculty members from different disciplines are involved in carrying out the same.

Research activities are going on the identification of major concepts in mathematics at secondary and higher secondary level, mathematical creativity and some of its correlates, causes of anxiety, phobia and formulation of efficient strategies for their minimization. A research scholar Sri Avijit Roy submitted his Ph.D thesis during this seminar. Also several seminar lectures are organised by the faculty members of department of mathematics to enrich the mathematical knowledge.

Teachers' day was celebrated on 5th September 2016 in the Centre by students.

The Centre attempts to identify major concepts in Mathematics at secondary and higher secondary level. It seeks to explore the vibrant nature and essential unity of Mathematics. In the coming years the Centre hopes to organize frequent special lectures/ interactive sessions involving distinguished experts in various fields. It proposes to involve schools and young learners covering a wider catchment area as this is the only such centre in this region. It seeks to organize interactive and interdisciplinary sessions to analyze curriculum, identify teaching-learning process of Mathematics at different stages, formulate a better methodology with the utilization of modern technology so that mathematical phobia among school children is minimized and interest in the subject can be fostered. It also proposes to develop in future a curriculum for an interdisciplinary integrated B.Sc./B.Ed. course with the assistance of the Department of Mathematics, Department of Education, Visva-Bharati.

In future, the Centre plans to organize extensional programmes in schools to enhance the interest of learning mathematics among participating school children and faculties of different institutions of neighbouring areas.

Untill 2011, more than sixty volumes of English translations of Tagore's poems were published. And if we count the number of translations published in other languages, the total number of published anthologies will exceed a hundred. This outpouring bulk of translations in multiple language targeted to an audience with varied background and very different cognigence are pregnant with a few questions:

1. which are the most *readable* translations?
2. What does the word '*readable*' denote?
3. Does the *definition of 'readability'* remain same irrespective of the *Target Readers*?
4. Finally, how can we figure out *the presence of the author* in these bulk of translations and re-translations?

Some adjunct faculty member and research fellow may be recruited to run centre properly

INTEGRATED SCIENCE EDUCATION & RESEARCH CENTRE (ISERC)

2. Name of the student qualified in UGC/CSIR/NET/SLET and GATE:

ISERC started its first session of the Five-Year Integrated M.Sc. course in 2009. The first batch has passed out in 2014.

3. Departmental Seminar: One (01); DST INSPIRE CAMP during September 19-23, 2016

4. National and International standard Conference/Seminar/Workshop *etc.* attended by the Teacher/Research Scholar

Sl.No.	Name of the Teacher/ Research Scholar	Name of the Conference/ Seminar <i>etc.</i> attended by member	Venue & Duration
(i)	Dr. Susanta Ghosh	International Conference on Materials Science & Technology 2016 (ICMTECH-2016)	University of Delhi, New Delhi, March 01- 04, 2016
(ii)	Dr. Mahasweta Nandi	National Seminar on Recent Trends in Chemistry Research	Department of Chemistry, Visva-Bharati, Santiniketan, March 25- 26, 2017
		National Seminar on Emerging Trends in Chemistry (ETC-2017)	Department of Chemistry, Jadavpur University, Kolkata, February 15, 2017
		International Symposium on Facets of Chemistry in Biology, FOCB-II	St. Xavier's College, Kolkata, January 12, 2017
(iii)	Dr. Umesh Kumar Singh (three presentations)	36th INCA International Congress on cartography for analysis and management of climate change	Visva-Bharati November, 9-11, 2016
(iv)	Dr. Nilanjan	Conference on Long-Range Interacting Many-Body Systems: from Atomic to Astrophysical Scales Conference on Nonlinear Systems & Dynamics	International Centre for Theoretical Physics (ICTP) Trieste, Italy, July 25-19, 2016

Research Scholars

(i) Koushik Majhi	National Seminar on Recent Trends in Chemistry Research	March 25-26, 2017, Dept. of Chemistry, VB
(ii) Rijia Khatun	National Symposium on Radiation and Photochemistry Manipal University, Karnataka	March 02-04, 2017,
	National Seminar on Recent Trends in Chemistry Research Dept. of Chemistry, VB	March 25-26, 2017,
(iii) Basu M. Daas	International Conference on Materials Science & Technology 2016 (ICMTECH-2016)	March 01-04, 2016, University of Delhi, New Delhi
(iv) Debdas Singha	International Symposium on Facets of Chemistry in Biology, FOCB-II	St. Xavier's College, Kolkata, January 12, 2017
(v) Trisha Das	National Seminar on Recent Trends in Chemistry Research	Department of Chemistry, Visva-Bharati, March 25-26, 2017
	National Seminar on Emerging Trends in Chemistry (ETC-2017)	Dept. of Chemistry, Jadavpur University Kolkata, February 15, 2017
	International Symposium on Facets of Chemistry in Biology, FOCB-II	St. Xavier's College, Kolkata, January 12, 2017
	International Conference on Functional Nanomaterials (IC-FNM 2016)	IEST, Shibpur, September, 28-29, 2016

On-going Research Projects in the Department:

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. Subrata Sinha (Principal Investigator)	Investigation of Polyaniline based nanocomposites by steady state and time-resolved spectroscopic techniques (2016-2019)	Rs.7,00,000/-	CSIR
Dr. Mahasweta Nandi	Fabrication of mesoporous	Rs. 24,98,000/-	DST-SERB

(Principal Investigator) transition metal containing frameworks: Their applications in catalysis (2014-2017)

Dr. Umesh Kr. Singh (Principal Investigator) Water quality assessment of river Ajoy-A tributary of River Ganga (2013-2017) Rs. 12,06,800 UGC

Extension activities organised by the department and participated by the teachers and students of the Department:

Teacher's Day was observed in a solemn programme by the students of Integrated Science Education and Research Centre (ISERC) in the First floor seminar room of ISERC block of Integrated Science building.

Academic distinction gained by Teacher/ Scholars of the Department as a whole: Nil

8. Publications within the year April 2016 - March 2017

Year	Books/Books chapter Published	Paper Published in Journals	
		National	International
2016-2017	Nil	Nil	13

Details of Publication:

Papers published in peer reviewed journals:

- (i) B. Roy, K. Majhi, M. Ghosh, S. Sinha.
Concurrent occurrences of photoinduced electron and energy transfer in perylene and 9-cyanoanthracene system in liquid medium.
Bulletin of Laser and Spectroscopy Society of India, **23**, 16-24, 2017.
- (i) Basu M. Daas, Susanta Ghosh.
Fuel cell applications of chemically synthesized zeolite modified electrode (ZME) as catalyst for alcohol electro-oxidation - A review.
Journal of Electroanalytical Chemistry, **783**, 308-315, 2016.
- (ii) Basu M. Daas, Debalina Das, Susanta Ghosh.
Ethanol electro-oxidation by Pt/r(GO-ZSM)/graphite foil.
Advanced Materials Proceedings, **1(2)**, 156-160, 2016.
- (iii) Bikash Mandal, I. Basumallick, Susanta Ghosh.
Synthesis of highly dispersed FePO₄ cathode material for rechargeable lithium battery.
Advanced Materials Proceedings, **2(4)**, 218-222, 2016.
- (i) B. Kumar, U. K. Singh, I. Mukherjee.
Hydrogeological Influence on the Transport and Fate of Contaminants in the Groundwater, India.
JSM Biol. **2(1)**, 1009, 2017.

- (ii) Shikha Sharma, Pawan Kumar Jha, Manju Rawat Ranjan, Umesh Kumar Singh, Manish Kumar, Tanu Jindal.
Nutrient Chemistry of River Yamuna, India.
Asian Journal of Water, Environment and Pollution, **14(2)**, 61–70, 2017.
- (iii) Arkabane Mukherjee, M. Kundu, B. Basu, B. Sinha, M. Chatterjee, M. Das Bairagya, U. K. Singh, S. Sarkar.
Arsenic load in rice ecosystem and its mitigation through deficit irrigation.
Journal of Environmental Management, **197**, 89-95, 2017.
- (iv) Shikha Sharma, Pawan Kumar Jha, Manju Rawat Ranjan, Umesh Kumar Singh, Tanu Jindal.
Water Quality Monitoring of Yamuna River by Using GIS Based Water Quality Index in Delhi, India.
International Journal of Current Microbiology and Applied Sciences, **6(2)**, 1249-1263, 2017.
- (v) Umesh Kumar Singh, Balwant Kumar.
Pathways of heavy metals contamination and associated human health risk in Ajay River basin, India.
Chemosphere, **174**, 183-199, 2017.
- (i) Anirban Chattopadhyay, Swapan K. Pandit.
Mixed convection and entropy generation in a porous deep cavity: Effect of uniform and nonuniform heated walls.
Journal of Porous Media, **19(6)**, 471-495, 2016.
- (ii) Swapan K. Pandit, Anirban Chattopadhyay, Hakan F. Oztop.
A fourth order compact scheme for heat transfer problem in porous media.
Computers and Mathematics with Applications, **71(3)**, 805-832, 2016.
- (iii) Swapn K. Pandit, Hemanta Karmakar.
An efficient implicit compact stream function velocity formulation of two dimensional flows.
Journal of Scientific Computing, **68(2)**, 653-688, 2016.
- (iv) Anirban Chattopadhyay, Swapan K. Pandit, Sreejata Sen Sarma, Ioan Pop.
Mixed convection in a double lid driven sinusoidally heated porous cavity.
International Journal of Heat and Mass Transfer, **93**, 361-378, 2016.

Designing New Course/ Curriculum or any other teaching innovation introduced by the Department

The centre offers Ph.D. programme in Physics (Spectroscopy, Condensed Matter Physics), Chemistry (Electrochemistry, Material Science), Environmental Science (Hydrology, Water & Soil Pollution), Mathematics (Computational Fluid Dynamics) and Life Science (Cancer Biology, Neurobiology, Molecular Diagnostics).

As per DST-INSPIRE FELLOWSHIP guidelines, students are recommended to different national institutes and universities like IIT Bombay, IIT Delhi, IIT Guwahati, IIT Chennai, IIT Kharagpur, TIFR, NCL, SINP and IISc Bangalore for doing project work under the supervision of their Mentors.

Brief history of the development of the Centre/ Department concerned with an indication of the future plans for development

University Grants Commission in its XI Five-Year Plan has accepted the recommendation of The High Level Committee (HLC)) as constituted by The Paridarsaka (Visitor) of Visva-Bharati University, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha-Bhavana (Institute of Science), Visva-Bharati. The course is intended for attracting highly motivated students to research and education in basic sciences. After successful completion of the course, a Five-Year Integrated M. Sc. degree with Physics/Chemistry/Mathematics/Life Science major are awarded to the candidates. A new major on 'Earth and Environmental Science' has been introduced from 2016.

Any other relevant information: Nil

Particulars in details of the Department Library:

- (a) Area (in Sq. Meters) quoted for the library: 300
- (b) Is there separate provision for Reading room: No
- (c) Total no of books: 288
- (d) Total No of books purchased during the year: 10
- (e) Total No. of periodicals: NIL
- (f) Total No. of periodicals purchased during the year: NIL
- (g) Total No. of readers: 80
- (h) Total number of Books and Periodicals issued: 10
- (j) Total No. of Staff members: NIL

KALA-BHAVANA **(Institute Of Fine Arts)**

Kala Bhavana, the faculty of fine arts in Visva-Bharati, was envisaged by Rabindranath Tagore to encourage visual sensibility and creativity as an indispensable part of complete education. With its inception in 1919 its formation predates the formal establishment of the university.

While it may be perceived as a continuation of the efforts towards defining the modern in Indian visual practice that began with the efforts of Abanindranath Tagore and his students/followers in Kolkata, the Santiniketan movement gained its distinctive characteristic, aims and directions from the stewardship of Nandalal Bose, Abanindranath's able student. With Rabindranath Tagore's catholic view towards visual practice as a remarkable example and his pantheistic philosophy as a guiding principle, Kala-Bhavana responded to nature and life in and around Santiniketan elevated beyond the nationalist/'revivalist' modes of articulation, contextually locating visual practice within the modern Indian scenario. This has been its distinctive marker ever since till the present.

Kala-Bhavana has five departments - Painting, Design, Sculpture, Graphics (Printmaking) and History of Art. The Design department locates its practice in two major directions - textile design on the one hand, ceramics and glass on the other. Each of these departments run the complete range of university courses from the undergraduate to Doctoral research.

A remarkable vision of both Rabindranath Tagore and Nandalal Bose was to conceive a museum and library as integral - and essentially necessary - part of the pedagogic structure in Kala-Bhavana. Books relevant to visual practice collected by the poet constituted the initial nucleus of the library, and traditional artifacts accumulated by Nandalal and Rabindranath - perhaps as early as 1915 onwards - initiated the "Nandan" museum as an academic body whose collection was to serve as motivating and illuminating examples for the contemporary practice by both the students and the teachers of the Bhavana. More recent practices in the institute may have shifted focus towards relatively current modes of expression, but the library and the museum continue to remain as a very significant and important support system for visual practice. The present collection of the museum crosses beyond 19,000 items, and is a modest cross-section of the work of the great pioneers of the new art movement as well as art objects across the world, in keeping with Nandalal Bose's conviction in a Pan-Asian spirit. Similarly, the library consists of books that cover almost all directions in world art.

More recently, the addition of a Centre for Interdisciplinary Practice, a studio-based opportunity that is open to all students and faculty members of Kala-Bhavana irrespective of their departments of specialization, has provided a positive impetus towards new-media experiments from an interdisciplinary perspective. This is an effort to restore the initial faith that Kala-Bhavana had in an all-round creative spirit that is not fettered down by disciplinary and mediumistic specialization. The centre has effectively initiated workshops and residencies, which has offered the possibility of encounter between the Kala-Bhavana community and the visiting experts and artists.

With its forthcoming centenary in 2018-19 in view, Kala-Bhavana is geared up to elevate the institution to prominence in the context of national and global visual practice.

DEPARTMENT OF DESIGN

A brief introduction of the Department of Design, Kala-Bhavana, Visva-Bharati.

The Department of Design consists of two major design courses of studies, viz. the BFA/DFA, MFA/Advanced Diploma in Textile Design and BFA/DFA, MFA/Advanced Diploma in Ceramics and Glass Design. Beside these two major wings, there are also the course of Two Years Certificate course in Design, One Year Foreign Course in Design, and One Year Course for the Indians in Design, which are offered to study under the same roof of the Design Department. The Department has a panel of Expert- Faculties who have established themselves in their respective field with their outstanding creative performances. The academic session of 2016-2017, has ended satisfactorily.

As like every year Department has organized Nandan Mela with the works of the teachers and students on the occasion of the Birth anniversary of Acharya Nandalal Bose, successfully. Beside, the schedule academic activities, the students are participated in different workshops/Exhibitions/Seminars, National & International, both.

The Department of Design is doing the silent task to be the appropriate venue for certain courses in Textile Design, Ceramic & Glass Design . The Department of Design is playing an important role in, both indigenous and abroad.

Interdisciplinary programmes and departments involved: As a part of the Interdisciplinary programmes, it is worthy to be mentioned that in the Degree Course level, the Department offers two important papers which are connected academically with the other Specialized Departments of this University, e.g. Tagore Studies and Environmental Studies.

Beside this, Department of Design usually organizes the different Workshops (Departmentally & Interdisciplinary, both) in every year.

Courses in collaboration with other universities, industries, foreign institutions, etc.:

The Department of Design, precisely Kala Bhavana as a whole, opens its academic horizon and offers the opportunity to the students of recognized Universities/Institutions to continue their study in realm of International Exchange Programme in the appropriate course, and vice-versa. Those Institutions are as under:

- 1) Burapha University, Thailand
- 2) Royal Academy of Art ,the University of Arts, the Hague, Netherlands
- 3) Epccecole Superieure Des Beaux-Arts (Tours, Angers, Le Mans), France

Students of this Department have been selected for Exchange programme in these above Universities in this current academic session,also.

List of senior Visiting Fellows, adjunct faculty, emeritus professors:

The Kala Bhavana having two Emiratus Professors namely:

Prof. Jogen Chowdhury

Prof. Sanat Kar

The above emirates professors' visits and interaction are very useful and fruitful to our departmental students.

Time to time Department invites senior visiting fellows from national/international Institutions to organize lecture and practical demonstration.

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Workshop and Lecture Demonstration on Textile Painting & Regist Printing by Prof. Sibaprasad Karchaudhury, Department of Design, Kala Bhavana, Visva-Bharati, Santiniketan, From 25th February – 3rd March, 2017

Workshop and Lecture Demonstration on Cristal Glaze by the Faculty Members of the Department (Ceramic & Glass Section), Department of Design, Kala Bhavana, From February–March, 2017.

Departmental Seminar (Speakers, Title of the Seminar, Date)

Workshop and Lecture Demonstration on Textile Printing by Prof. Sibaprasad Karchaudhury, Department of Design, Kala Bhavana, Visva-Bharati, Santiniketan, From 25th February – 3rd March, 2017

Workshop and Lecture Demonstration on Cristal Glaze by the Faculty Members of the Department (Ceramic & Glass Section), Department of Design, Kala Bhavana, Visva-Bharati, Santiniketan, From February – March, 2017

Only National and International standard Conference/Seminar/ Workshop /Exhibition etc. attended by Teacher/Research scholar in details.

Ongoing Research Projects in the department :

Name of the Teacher	Name of the Project	Sponsoring agencies	Amount Sanctioned
Debasish Das	Contemporary Ceramic Mural Relation with Architecture	Does not arise	Self funded
Anupam Choudhury	Indian Studio Potters – the case study	Does not arise	Self funded
Banatwan	Fibre,Fabic and Fabricater; A study of Form ,Space & Time.	Does not arise	Self funded
Debashish Mahalanobish	Texture, Comfort and Design of Khadi fabric	Does not arise	Self funded
Bhavana Khajuria Basumatary	Blending Art & Craft : Tagore’s Education Programme with special reference to Ceramics.	Does not arise	Self funded
Madi Linda	“Kalindi Madan Jena (27 th June 1927 – 26 th June,2009) Samakalin Bharatiya Studio Pottery Ke Khetra Me Unka Yogdan”	Does not arise	Self funded
Archana Das	“Bharatiya Ceramic Potter Ka Takniki Adhayana”	Does not arise	Self funded

Extension activities/NSS /Cultural and other activities organized by the Department and participated by the teacher and students of the Department.

Normally, the students use to take part in the NSS camp, University Youth Festival, Briksha Ropon, Celebration of National Day and many other cultural programmes as been conducted by the University as a whole.

Academic distinctions gained by teachers /Scholars or the department as a whole (Like recognition as D.S.A or C.A.S .etc.) :

In this academic session, one foreign student (Korian) was awarded PhD degree from Design Textile wing of this Department, apart from this three students had received National scholarship etc.

Publications within the year April 2016-March 2017

i) Text book ii) Other books iii) Monographs iv) Research Papers. (Author(s), title of paper, year Journal volume No. pages) v) Number of paper published in Peer/reviewed journals; National/ International.

Vide the information as been mentioned in the Teaching Staff Information. (vide annexure no I) Designing New Course/ Curriculum or any other teacher innovations introduced by the department. As a part of the Interdisciplinary programmes, it is worthy to be mentioned that in the Degree Course level, the Department offers two important papers which are connected academically with the other Specialized Departments of this University, e.g. Tagore Studies and Environmental Studies. A brief history on the development of the Bhavana /Sadna/Vibhage concerned with an indication of the future plans for development.

The proposal for the enhancement of the studios, class rooms and necessary machines & equipments have duly been submitted for the future development to the authority and the academic interests are also been taken care. A good amount of donation in the form of sophisticated machines, Furniture and tools for the Ceramic & Glass wing have been received from M.P.Jajal Foundation, Kolkata and it may be mentioned here that it is possible for the prolong interaction between that very Organization with the Department..

Any other relivent information , which in the opinion of the Head of the Department is worth- reporting should be included.

The Department is also taking the initiative to formulate a revised academic syllabus which is more relevant in this modern era. The new approach to addressing the students in the class room and apart from the four walls of the class room are also taken in care to impart a vibrant lesson for their understanding to penetrate in the spirit of the subject.

Moreover, the Department is planning to introduce the CAD system to the academic curriculum.

DEPARTMENT OF SCULPTURE

Year of Establishment: 1919

Name of the Department: Sculpture, Kala Bhavana,

Year of Establishment: 1967

Name of the Adhyaksha of the Bhavana: Prof. Sitansu Mukhopadhyay

Name of the Head of the Department: Sri.Mati Lal Kalai.

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination -NIL

Departmental Seminar (Speakers, Title of the Seminar, Date)

16 February 2017 “Dokra Casting Workshop” Organized by Dept. of Sculpture, Kala-Bhavana.

28 February 2017 workshop and Slide show presentation and interaction with Gillian Brett, Sculptor from France.

13 April 2017 Slide show presentation and interaction with Anindita Dutta, India born and U.S.A. base Sculptor.

17 March 2017 Slide show presentation and interaction with Alexandru Serafin Poteca, Sculptor from Romania.

Only National and International Standard Conference/Seminar/Workshop/ Exhibition etc. attended by

Teachers/ Research scholars in details.

Pankaj Panwar (Professor, Dept. of Sculpture)

Exhibitions

CIMA Summer Show, Cima gallery, Kolkata 2016.

“Journey” Exhibition of contemporary Art, Maya Art Space, Kolkata 2016.

“MELANGE” Exhibition of Contemporary Sculpture of Bengal, Janus Art Gallery at Sridharani, Triveni, Delhi 2016.

“Golden Bowl” Birla Academy’s golden jubilee Art Exhibition, curated by Joney ML at Birla Academy, Kolkata 2017.

Drawings by Sculptors, curated by Prayag Shukl, organized by gallery Art & Soul, Mumbai 2017.

Annual Exhibition of Society of contemporaries, Birla Academy 2017.

Workshops / Seminar /Symposium

Macsabab International wood firing ceramic symposium at Hacettepe University, Ankara, Turkey 2016.

Interdisciplinary Art workshop, IIM, Ahemadabad, curated by Neena Parekh 2017.

Bengal Art workshop at Chandigarh 2017.

All India Art workshop at Mahabalipuram, organized by SBI Headquarters, Mumbai 2017.

Symposium – “Open Air Public Sculpture in Kolkata”, organized by Charukala, Kolkata 2017.

“VARNA – 17”, Interdisciplinary workshop & Symposium, organized by R. E. School of Architecture, Bangalore 2017.

Lecture presentation on contemporary sculpture, Charukala, Kolkata 2017.
Printmaking workshop, SSVAD, Santiniketan

Honorary positions

External Expert Board of Studies (BOS) Sculpture dept. BHU, Varanasi.
External Expert Board of Studies (BOS) Sculpture dept. Rabindra Bharati University, Kolkata
Member of Advisory Committee, Charukala Parishad, Govt. of West Bengal.
Member of Board of Trustees, Kolkata Museum of Modern Art (K-MOMA) Kolkata.
Member of Advisory committee CIMA - Award & show, Kolkata.
Jury member of the Annual Birla Academy Exhibition and award, Kolkata.

Guide / Supervisor:

Two Ph. D scholars and three National scholars.

Sutanu Chatterjee

Exhibition:

1. "All India exhibition of painting and sculpture" based on the life and activities of Nivedita Organized by Indian National Forum of Art and Culture (INFAC) at Gaganendra Shilpa Pradarshasala, Kolkata in June 15 to 19, 2017.
2. "Post Contemporary Wave-2"- An Unconventional Exhibition of international Artists, Organized by Narrative Movements at Village- Sehala, Santiniketan. 17th to 19th June, 2016.
3. Kala Bhavana Teachers Drawing Exhibition - Tribute to Mani da at Nandan, Kala Bhavana. Sept. 2016 (Coordinated & Participated).

Workshop:

1. International Land Art Residency "MIRROR + LIGHT + SHADOW", Organized by Narrative Movements at village- Komdhara, Hooghly from 12th to 19th June, 2017.
2. Kala Bhavana teacher's Drawing workshop – Tribute to Mani da at Malancha, Kala Bhavana from 5th to 16th Sept. 2016 (Coordinated & Participated).
3. Visited Europe with Camel Art Foundation to Art Galleries and Museums in Europe for experience European Art for developing my confidence and viewing a different perspective in the value of it and better understanding of art works and History of Art –both of the past masters as well as contemporary artists. Visited Amsterdam-Rome-Florence and Paris during the period from 15th to 26th July, 2016 in my personal capacity.
4. Traditional Dokra Sculpture workshop in dept. of Sculpture, Kala Bhavana -2017.
5. Completed renovation and conservation of Buddha by Ramkinkar Baij in Dec. 2016 - Jan. 2017.

Publication: (Published Articles)

1. "Sculpture is Frozen Music: Sushen Ghosh"- Published Essay in ART & DEAL, issue, January, 2017.
2. "Santiniketaner Bimurta Bhaskarjya"- Notun Krittibas, 25-se Boishak issue, May-June, 2016.
3. "Shilpi, Model ar Shristi – Shiladitya, June, 2016.
4. "Sculptor of Nature- Bikas Debnath"- Catalogue essay for a Retrospective exhibition of Bikas Debnath.

Mati Lal Kalai

Workshops

Traditional, Folk, Contemporary Artists Interactive Camp in Traditional Metal Casting Organized by Lalit Kala Akademi, Regional Center, Kolkata – 2016.

Kala Bhavana teacher's Drawing workshop – Tribute to Mani da at Malancha, Kala Bhavana from 5th to 16th Sept.2016.

Traditional Dokra Sculpture workshop in dept. of Sculpture, Kala Bhavana -2017.

Exhibitions

“Tripura Sculptors Group” Lalit Kala Akademi, Rabindra Bhavana, New Delhi – 2016.

Kala Bhavana Teachers Drawing Exhibition - Tribute to Mani da at Nandan, Kala Bhavana.Sept.2016.

Kamal Dhar

Exhibitions

Sculpture Exhibition, Jahangir Art Gallery, Mumbai – 2016.

Group Exhibition Batch- 88. Govt. College of Arts, Birla Academy of Arts and Culture, Kolkata. - 2017

Conducted Workshop and Projects:

Conducted workshop at the Department of Sculpture Kala- Bhavana wood carving workshop 2016.

Conducted workshop at the Department of Sculpture Kala- Bhavana Dokra Casting workshop 2016.

Guidance and services in the collection folk base Arts and Crafts from different parts of Midnapore District for Khukurdaha Tswar Chandea Maji Memorial High School Museum founded in the year 2016.

Project Public art Festival Durga puja Thakur pukur pally Mongal. Calcutta Kolkata – 2016.

Invited and joint as resource person for the students Dokra Casting workshop at Raja Ravi College of Fine Arts, Mavlikkara, Kerela.

Preservation – Conservation of late Suren Dey's Sculpture in front of Manorama Goenka Girls hostel, Santiniketan Ashram campus.

Restoration of Ramkinkar Baij's Sculptures , “Sujata” And “Harvester”

Rishi Barua

Served as Vice Principal, Administration, Kala Bhavana

Participation in Exhibition/Workshops

Kala Bhavana teacher's Drawing workshop – Tribute to KG Subramanyan at Malancha, Kala Bhavana from 5th to 16th Sept.2016.

Invited artist at Gallery Kolkata for a group show and Art Fair, 2016

Traditional Dokra Sculpture workshop in dept. of Sculpture, Kala Bhavana -2017.

Art Workshop with Three Nations, Bangladesh, Thailand, India at SSVAD from 15 -20th January 2016

Other Activities

Designed and produced Departmental Publication 'Vessels of Fire- History, Pedagogy and Creativity in the Department of Sculpture' 2016.

Designed and Produced a catalogue for Kala Bhavana Museum ' K.G. Subramanyan- Collections in the Nandan Museum, Kala Bhavana'.

Amit Kumar Dhara

Kala-Bhavana Teachers Art Exhibition, Nandan Art Gallery, Visva-Bharati, Santiniketan, 2016. International Art Exhibition, by "Narrative Movements"- International Artist Group , at sehalai, Santiniketan India on 17th- 19th of June 2016. Maheswarpur, Hooghly, India on 17th to 18th November, 2016. Singur, Hooghly, India on 3rd & 4th Dec. 2016. Pondicherry Sri Aurobindo Ashram Gallery at Pondicherry, India on 26th to 31st Dec. 2016.

International Art Exhibition Supported by Scarlett Films & TIESS- Santiniketan, India at Academy of Fine Arts, Kolkata,

22nd - 28th July, 2016. "Nandan Santiniketan" at Academy of Fine Arts, Kolkata, 22nd – 29th September, 2016.

Camp & Workshops

Kala- Bhavana Teachers Art Workshop - 2016. All India painting & sculpture Workshop Siliguri, Dergiling W.B by 'Uttarer Pot', from 8th to 10th Nov. 2016. National workshop- pottery & ceramics (raku & glaze firing) 26th to 29th feb. 2017, by Nandan Santiniketan at Santiniketan

International Art in Residence

International Master Class Art in Residence – Artistic Movement, India - 2016, by Scarlett Films, TIESS - at The Inner eye Studio Santiniketan, India, from 28th June to 28th July, 2016. International Land Art Residency at Komdhara, Hooghly, W.B. India by Narrative Movements from 12th to 19th Feb. 2017.

Lawanshaibha Kharmawlong

Exhibition

"Local Inspiration" Exhibition organized by Art and Culture Department, Govt of Meghalaya, Shillong 2016.

Kala Bhavana Teachers Drawing Exhibition - Tribute to Mani da at Nandan, Kala Bhavana. Sept. 2016.

Resource person at Meghalya Art Festival, Shillong – 2016

External Examiner :

External Examiner at Rabindra Bharati University, Kolkata – 2017.

Attended RC -301 Refresher Course at HP University, organized by the Department of HRDC, HP University, Shimla – 2017.

Sajad H Hamdani

Lecture and slide show on " Contemporary Art Practice across the globe " at B.K Fine Arts College Bhubaneshwar April 2016.

Three day workshop and Lecture on Art and Architecture at K. S School of Architecture Bangalore March 2017.

Ongoing Research projects in the Department. NIL

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the department.

a) Departmental students participated in Nandan Mela, the Annual Celebration of Acharya Nandalal Bose's birthday, from 1-3rd December 2016.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) YES

Publication within the year April 2016 - March 2017:

Departmental publication "VESSELS OF FIRE" (Past and Present).

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.
YES - 2016.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Since the beginning of Kala Bhavana Department of Sculpture played an important role in the development of the institute as a centre for alternative art practice and set up a new platform in the context of Modern Indian art. The ideology of Rabindranath Tagore, a great thinker and Nandalal Bose, disciple of Abanindranath Tagore contributed to the growth of the Santiniketan School in early twentieth century. The department was started informally under the guidance of Ramkinkar Baij in 1932. Initially, under Ramkinkar Baij, and later under Sarbari Roychoudhury, Ajit Chakraborty, Bipin Goswami, Bikash Debnath, Sushen Ghosh and Suren De the department imparted training to innumerable students who later made their mark as eminent sculptors of India.

The Department attracts students from various parts of the country and abroad as well, such as countries like Japan, Korea, Thailand, U.K., France, U.S.A., Bangladesh, Mauritius, U.S.S.R., Srilanka etc

Many important sculptors studied in the Department who have initiated and contributed in the development of

new vocabularies in contemporary sculpture, to name a few from various generations are Sankho Choudhury, Prabhas

Sen, Jitendra Kumar, Avtar Sing Panwar, M. Dharmani, Madan Vatnagar, Suren Pandey, Balbir Sing Katt etc

Any other relevant information, which in the opinion of the head of the department is worth-reporting, should be included.

1. Sukanya – Exchange Program to France. 2016 - 2017.
2. Hadwisa Goyary – Exchange Program to Netherland, 2016 - 2017.
3. Kaushik Halder – Junior Fellowship, 2017.
4. Suvanwita Saha - Junior Fellowship, 2017.
5. Nrimalya Mahato – Junior Fellowship, 2017.
6. Sukanya– National Scholarship, 2016.
7. Nitish Kumar - National Scholarship, 2016.

8. Sukanya – Gharhi Scholarship, 2017.
9. Sayantan Samanta – Gharhi Scholarship, 2017.
10. Enjamil Islam – Second price in Clay Modelling, Inter-University National Youth Festival, 2017.
11. Gobinda Murmu – Workshop, Vadodara, Gujrat, 2016.
12. Lalhunkima – National Bronze Sculpture Workshop, Rajasthan, 2016.
13. Sukanya – Art Camp, Bengaluru, Karnataka, 2017.
14. Nitish Kumar - Art Camp, Bengaluru, Karnataka, 2017.

DEPARTMENT OF PAINTING

Name of the Head of the Department: Rajarshi Biswas

Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination-
NET Qualified : Ranajit Das & Pakasana Singh

Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)

a) Presentation by eminent artist T V Santhos:

Day -1: Discussing about his life and art practice and interacting with students, Co-ordinated by Prasanta Sahu .Feb,2017

b) "In- Field Studio", an International Joint Workshop by architect Kengo Sato, Japan, in collaboration with Visva Bharati University, School of Architecture, Vadodara Design Academy, Co-ordinated by Dharitri Boro, 2017

c) International Workshop and Presentation on Site Specific Art of "Uronto",by Sadya Mizan Bangladesh conducted by Dharitri Boro, 2017

National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by Teachers/ Research scholar in details.

Department of Painting Faculty organised 2nd India Korea Fine Arts Exchange Exhibition with Daegu Fine Arts Association, South Korea, Period: Sept. 20 - 25, 2016,

Venue: Exhibit Hall Nandalal Bose Gallery, ICCR, Kolkata

Nandadulal Mukherjee

Selected Group Exhibition and Worksop

2nd India Korea Joint International Exchange Exhibition, at Nandalal Bose Gallery, ICCR, Kolkata - 2016.

A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala Bhavana At Nandan Gallery, Santiniketan.

Kala Bhavana Teacher's drawing workshop , September 2016,Kala Bhavana.

Dilip Mitra

Selected Group Exhibition and Worksop

2nd India Korea Joint International Exchange Exhibition, at Nandalal Bose Gallery, ICCR, Kolkata - 2016.

Participated Painting Workshop at SHISHUTIRTHA, Santiniketan,2016

Participated Painting Workshop at SSVAD, Santiniketan,2016

A short Story on Prof K.G .Subramaniyan. Published by Shiladitya monthly magazine, Kolkata 2017
Attached as a Principal, Kala Bhavana, Visva Bharati,Santiniketan. 2015 to 2017 .

Sitansu Mukhopadhyay

Selected Group Exhibition and Worksop

2nd India Korea Joint International Exchange Exhibition, at Nandalal Bose Gallery, ICCR, Kolkata - 2016.

A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala

Bhavana At Nandan Gallery, Santiniketan, 2016..

Kala Bhavana Teacher's drawing workshop , September 2016,Kala Bhavana.

Attached as a Principal, Kala Bhavana, Visva Bharati,Santiniketan, 2017 .

Arghya priya Majumder

Selected Group Exhibition and Worksop

Participated 2nd Joint International Art Exhibition with Deagu Fine Art Association, Korea & Department of Painting Kala Bhavana, ICCR,Kolkata, 2016

Participated International Art Exhibition of Painting "The Santiniketan Inspiration" By 20 Artist From South

Korea,India,Thailand and England Organised by Chulalongkorn University, Thailand, 2016

"Bengal art camp" in Chandigarh and Amritsar, Organised by Mrs. Tanya Goyal, 2017

A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala Bhavana At Nandan Gallery, Santiniketan.

A Postcard Show, Homage To K. G. Subhramaniyan, Curated By Kirti Chandak At Tasmai Gallery, Pondicherry.

Participated Painting Workshop at SHISHUTIRTHA, Santiniketan,2016.

Kala Bhavana Teacher's drawing workshop , September 2016,Kala Bhavana.

Etching Workshop, SSVAD, Santiniketan, 2016.

Drawing Workshop with Thailand Artists, SSVAD, Santiniketan, 2016.

Painting Workshop sponsored by Sarjan Art Gallery, SSVAD, Santiniketan, 2016.

Sanchayan Ghosh

Individual project:

Participated in Documenta 14, Kassel as part of the Documenta 14 radio Project Every Time A Ear di Soun. Short Waves' Transit Tales a sound project was created in collaboration with Anshuman Dasgupta and was transmitted March,2017onwards

Conducted a Reading Performance.... Performed by.reading from genedered land-II in Dhaka Biennale, Dhaka,1st and 2nd December 2016. students of Kala Bhavana(Arni Sarkar, Arpita Akhanda, , Samiksha, Promiti Hussain, and others) together with students of Charukala Parshad, Dhaka University

Mukhomukhi: An ongoing dialogical process of documentation of collective recollection of practices around Landsepe in collaboration with Sahityika (Theater group in Santiniketan, Birbhum) with association of Hara Kumar Gupta, Leto singer and performer , Kharia Birbhum was completed in(January 2017 supported by IFA, Bangalore

Merg'E'merge :Presented the 10 year long shadow casting project with Final year students of Kala Bhavana initiated in 2004 to2014 in Govt College of Art & Crafts, Kolkata, 2016

Group show:

2nd Korea India Joint International Art Exhibition, Deagu Fine Art Association,Deagu, ICCR Kolkata (2016),

Participated in the group show Hangar for the Passerby curated by Akansha Rastogi invited by Kiran Nadar Museum of Arts , Noida , 2017 on Indian Collectivism

Workshops Conducted and Participated

Conducted workshop on Body , space and memory with students of Charukala Parshad, Dhaka University, Bangladesh, 2016

Lecture and Seminar presentation

Presentation on Critical Multiplicity in Academy of Fine Arts organized by Chander Haat(artist organization) in Behala,Kolkata on 23rd of March 2017

New Media and Installation Art: an overview a presentation in Maya Art Space as part of an Art Appreciation Course for the beginners on Contemporary Art & Visual Culture in Wednesday, 3rd March, 2017

Presented in the discussion with Soumik Nandi majumdar on the topic 'Global and Local: Exploring the trends in Contemporary Indian Art'. As part of the Annual Show organized by Emami Chisel, Kolkata 23rd March 2017

Presented in the seminar New Methodologies of Art Practice. The date of the seminar was 16th of February, 2017 invited by Department of Visual arts, University of Kalyani

Ambarish Nandan

Selected Group Exhibition and Worksop

2nd India-Korea Joint International Exchange Exhibition At Nandalal Bose Gallery, ICCR, Kolkata, 2016.

A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala Bhavana At Nandan Gallery, Santiniketan, 2016.

A Postcard Show, Homage To K. G. Subhramaniyan, Curated By Kirti Chandak At Tasmai Galler, Pondicherry.

Participated Painting Workshop at Shishutirtha, Santiniketan,2016

Kala Bhavana Teacher's drawing workshop , September 2016,Kala Bhavana.

Silence is Gold, National Art show by Art family 13 at Birla Academy of Art & Culture, Kolkata, 2017.

Participated in Conservation and Restoration of Oil Painting organised by Kala Bhavana, VB & INTACH, Kolkata, 2017.

Prasanta Sahu

Selected Group Exhibitions:

"Studio Gem Revisited" a 6 person show at Cima art gallery,Kolkata, 2017.

"Paper and Pigments" a 7 person show of paper works at Gandhara art Gallery, Kolkata, 2017.

Whitefield art collective 2017, Organised by VR Bangalore.

7th Bharat Bhavan Biennial of contemporary Indian art 2017,at Bharat Bhavan, Bhopal

CIMA, The Kolkata Art Festival-2017, an exhibition of works curated by CIMA gallery at Studio Gem (Gem Cinema), Kolkata.

"Eclectique" a group show at Harrington Arts Centre Kolkata organized by Gandhar Gallery Kolkata, 2016.

Korea-India Exchange Exhibition at ICCR, Kolkata, a part of ongoing cultural exchange programme between Department of Painting, Kala Bhavana and Daegu Culture & Arts Center,Korean Fine Arts Association in Daegu Branch, South Korea, 2016.

"Blueprint of a City" - a Solo Project- at Kalakriti Art Gallery, Hyderabad, 2016.
"The Summer Show" - a group show at CIMA art gallery, Kolkata, 2016.
" The Bird Project", - a group show at open studio Vadodara to support VCARE, Vadodara, 2016.
"Poetic of Pluralities", - mapping the pedagogy and practice of artists emerging from -`
Kala Bhavana since 1980s. Curated by Ushmita Sahu. At gallery Site art Space, Vadodara, 2016.
"Graphic Culture"- an exhibition of graphic prints at Sarjan art gallery, Vadodara, 2016.

Camps/ Workshops

"National Artists' Camp"-with a group of 16 young contemporary artists, Organised by Karnataka Chitrakala Parisath, Bangalore 2017
" Bengal art camp" in Chandigarh and Amritsar, Organised by Mrs. Tanya Goyal, 2017
"Offbeat- Re-interpreting nature" art-camp in Satkosia Gorge Reserve Forest, Odisha, 2017
Art camp in Mahabalipuram and Thanjavur, organized by State Bank of India, Mumbai, 2017
Participated in art workshop in Kutch, Bhuj, Organised by Sanghi Cement, Kutch, 2017
Participated in The Odisha Art Conclave-2016, organized by IPCA, at Bhubaneswar Odisha. Panel discussion on 'Art and Technology', 2016
"Fields of Depth" -Experimental Photography workshop by artist photographers, at Santiniketan, 2016
Art camp organised by Sarjan art gallery, Baroda, at SSVAD, Santiniketan, 2016
Artists Residency at Kalakriti art gallery, Hyderabad, 2016

Seminars

Panel discussion on 'Art and Technology', in The Odisha Art Conclave-2016, organized by IPCA, at Bhubaneswar, Odisha.
UGC Sponsored Refresher Course
Participated in UGC Sponsored Refresher course in Visual and Performing arts held at HRDC, University of Calcutta, from 2nd November to 23rd November 2016, and obtained Grade-A

Rajarshi Biswas

Selected Group Exhibition and Worksop

2nd India-Korea Joint International Exchange Exhibition At Nandalal Bose Gallery, ICCR, Kolkata, 2016
A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala Bhavana At Nandan Gallery, Santiniketan, 2016.
A Postcard Show, Homage To K. G. Subhramaniyan, Curated By Kirti Chandak At Tasmai Galler, Pondicherry, 2016
Participated Painting Workshop at SHISHUTIRTHA, Santiniketan, 2016
Kala Bhavana Teacher's drawing workshop , September 2016, Kala Bhavana.

SK. Sahajahan

Selected Group Exhibition and Worksop
2nd India-Korea Joint International Exchange Exhibition At Nandalal Bose Gallery, ICCR, Kolkata, 2016.
A Show Of Post Card Size Works On K.G. Subhramaniyan By The Faculty Members of Kala Bhavana At Nandan Gallery, Santiniketan, 2016.

A Postcard Show, Homage To K. G. Subhramaniyan, Curated By Kirti Chandak At Tasmai Galler, Pondicherry.

Participated Painting Workshop at SHISHUTIRTHA, Santiniketan, 2016

Kala Bhavana Teacher's drawing workshop , September 2016, Kala Bhavana.

UGC-Sponsored Refresher Course, Human Resource Development Centre under University of Calcutta, 2016.

Etching Workshop, SSVAD, Santiniketan, 2016.

Drawing Workshop with Thailand Artists, SSVAD, Santiniketan, 2016.

Painting Workshop sponsored by Sarjan Art Gallery, SSVAD, Santiniketan, 2016.

UGC Sponsored Refresher Course

Participated in UGC Sponsored Refresher course in Visual and Performing arts held at HRDC, University of Calcutta, from

2nd November to 23rd November 2016, and obtained Grade-A

Dharitri Boro

Selected Group Exhibition and Workshop

2nd India Korea Joint International Exchange Exhibition, at Nandalal Bose Gallery, ICCR, Kol - 2016.

Chitralekha, an International Art event and exhibition on Women's day, Sankardev Kalakshetra, Guwahati, Assam, 2017

Coordinator, "In- Field Studio", an International Joint Workshop by architect Kengo Sato, Japan, in collaboration with Visva Bharati University, School of Architecture, Vadodara Design Academy, 2017

A Postcard Show, Homage To K. G. Subhramaniyan, Curated By Kirti Chandak At Tasmai Gallery, Pondicherry.

Kala Bhavana Teacher's drawing workshop , September 2016, Kala Bhavana.

Seminar

Panel Discussion on "Critical Interdisciplinarity: A Theory-Practice Perspective in the Visual Field"

National seminar organized by Art History Department, Kala Bhavana, Visva Bharati University, 2016

UGC Sponsored Orientation Course

Participated in UGC Sponsored Orientation course held at HRDC, Shimla, Himachal Pradesh University, from 07.11.16 to 23rd 03.12. 2016, and obtained Grade-A

Attached as Campus Vice Principal, Kala Bhavana, Visva Bharati, Santiniketan. 2015 to 2017 .

Extension Activities

Nandan Mela activities - 2016

A project by the Painting Dept. on paper making exploring the Fibers of local plant & trees, November 2016., Laquer toy making workshop, Sara painting workshop, Enamel painting workshop, Enamel paper weight, Mask , Greetings card, Sticker making workshop, Silk scroll and reverse painting workshop, Drawing and calendar designing, Lamp shade making workshop, Puppet making workshop.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) None

Publication within the year April 2016- March 2017: ii) Other books : A printed Visual Book on the Activities of Indo -Korean Art

Annual Report 2016-17

Workshop/Exhibition Project with Daegu Fine Arts Association, Daegu, South Korea

Designing New Course / Curriculum or any other teaching innovations introduced by the Department.

- A. Basic knowledge on web based media practice
- B. Introducing Video art(documentary based digital editing with ideas exploring soundscape and lighting)
- C. Installation Art

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Department of Painting, Kala Bhavana was established in 1919 as an alternative centre of Modern art practice in India. Under the vision and guidance of Nandalal Bose it started as a pedagogic practice that is based on a close contact with tradition and contemporary art practice. Since its initiation the Department has explored a contextual approach to the idea of Modernism keeping close contact with traditional art practice in India and Asia in particular and Europe in general. It has nurtured different approach of Far Eastern techniques of calligraphy, scroll painting, Indian miniature and various other mural techniques and students are being introduced to these practices. It has been the only centre in India that has generated a critical and experimental approach to art activity.

In present times the department has introduced the semester system and implemented new methods of art teaching giving focus to multi-disciplinary art activity in reference to a critical approach to methods and ideas. The world of art has drastically changed with the emergence of new communication systems in the age of globalization and contemporary art practice have also evolved new systems of sign making including improvisation of new innovations from contemporary visual culture. Introduction of the new methods and materials like new media, installation in the syllabus has created a new environment in the department which is generating dynamic experiments and innovative practices.

Department is creating opportunities for the students to interact with practicing artists, art historians and art critics from all over the world by regularly inviting experts from various fields to give presentations and lecture demonstrations .

In the last one year experts from, Poland, Holland, UK, Bangladesh have visited the Department and shared their experience with the students & faculty members. The present focus of the department is to generate an open ended approach to multiple forms of visual applications and provide opportunities for students to engage in innovative experimentations to reflect new areas of artistic expression.

Particulars in details of the departmental Library: Attached with Kala-Bhavana profile. Any other relevant information, which in the opinion of the head of the department is worth reporting, should be included

Activity of Students in 2016-17

Year 2016 - 17

1) National Scholarship Kalpana Vishwas, Supriyo Manna, Rachita Dutta, Samiksha, Mantu Singh, Arpita Akhanda

2) Young Artists in Kalakendra Gallery Group Show curated by Wakilur Rahman, Dhaka, Bangladesh '16: Arni sarkar, Arpita Akhanda, Samiksha

Arni Sarkar

1. Young artists in Kalakendra gallery group show, curated by Wakilur Rahman, Dhaka, Bangladesh '16
2. collaborative performance "gendered land" conceived by Sanchayan Ghosh at Asian art Biennale, Dhaka, Bangladesh '16
3. West Bengal State Charukala Annual Art Exhibition , Academy of Fine Arts , Kolkata '16
4. Cartist fest workshop , Jaipur, Rajasthan'16
5. Cartist art residency (1 month), Raipur , Rajasthan'16
6. Group show in Jaipur Literature fest curated by Jonny M.L. , Jaipur , Rajasthan'17
7. Best Contemporary Award in mixed media category by 21 Art point online Art Competition '17
8. Spring collection presented by City Art Factory in myth , hotel Hindustan International , Kolkata
9. Group show "I am" curated by Ushmita Sahu
10. Colorathon Fest curated by Ahmed Shariff in Delhi'17
11. Publication - Art & Deal April issue
12. DNA news paper, " ART's ode to literature", January 12, '17

Arpita Akhanda

1. Young Santiniketan Artist of Santiniketan ,SSVAD (group show),Santiniketan'16
2. Young Artists in Kalakendra Gallery Group Show curated by Wakilur Rahman, Dhaka, Bangladesh'16
3. White Field Art Collective Exhibition in VR Mall, Bangalore'17
4. Emami Chisel Art Annual Exhibition'17
5. National Scholarship'16 in Painting
6. Moytree Award From Air'16
7. Cartist Fest Workshop ,Jaipur, Rajasthan'16
8. Collaborative Performance "Gendered Land" conceived by Sanchayan Ghosh at Asian Art Biennale, Dhaka, Bangladesh '16
9. Student Exchange Program and Cultural Exchange in Yunnan University, China'16
10. Ordinarity of Things ,Workshop by Amit Mukhopadhyay.,New Delhi'16
11. In-field Studio Collaborative Project and Workshop with the Infield Studio, Visva Bharati University

Pavan Ganesh Kavitar

1. ICPA Scholarship for Young Artist, Bhubaneshwar, Odisha'16
2. Lalit Kala Workshop'17-'18
3. 58 National Exhibition and Conclave conducted by Lalit Kala Academy, Bangalore'17
4. Birla Art Academy, Kolkata '17
5. Kala Uday Society, Amritsar '17
6. Reserve Bank of India Art Competition '16
7. Academy of Fine Arts Exhibition'16
8. City Award Certificate in Prafulla Art Foundation'17
9. Cartist Fest Workshop ,Jaipur, Rajasthan'16

Samiksha

1. Cartist Fest Workshop ,Jaipur, Rajasthan'16
2. Young Artists in Kalakendra Gallery Group Show curated by Wakilur Rahman, Dhaka,Bangladesh'16
3. Collaborative Performance "Gendered Land" conceived by Sanchayan Ghosh at Asian Art Biennale ,Dhaka,Bngladesh '16
4. Young Artist National Scholarship in Painting'17
5. Site Specific Workshop, Vizag'16
6. Kala Sakshi Memorial Trust Workshop'16

Mantu Singh

1. National Scholarship in Painting'17
2. Pune art Biennale '16
3. Cartist Fest Workshop ,Jaipur, Rajasthan'16

Suprio Manna

1. Students Biennale Kochi'16-17
2. Birla Academy of Art and Culture Annual Exhibition'17
3. Lalitkal Reserch Scholarship'17-'18
4. White Field Art Collective Exhibition in VR Mall, Bangalore'17
5. Emami Chisel Art Annual Exhibition'17
6. Site Spacific Workshop ,Vizag'16

Throngkuiba

1. Art Salant Prize Showcase Juiried Winner, Abstract Category '17
2. The opening of New Tate Modern, London, Digitaly Exhibition at the Turbine Hall'16
3. Art Salant Prize Showcase Winner events invitation- Betonest Artist Residency, East Brandenburg, Germany, Nov-December'17
4. Kersan Art Studio Residency, Yogyakarta, Indonesia, Jan-March'18
5. Publication -interview with Emergent Art Space, San Francisco, May'17
6. The Winter 2017 Gallery Features Works from South Korea, Pakistan, Zambia, Mexico and Macedonia, Emergent Art Space, San Francisco
7. Art Work featured on the EAS May Newsletter 2016, Winter Gallery, Emergent Art Space, San Francisco, US

Aparesh Pal Oil Painting Restoration Workshop'17

Gargi Ghosh Emami Chisel Art Annual Art Exhibition, March'17

International Student Exchange Program

Ashok Kumar from BFA attended Students exchange program at EPCC Ecole Superieure des Beaux-Arts, France

On the occasion of the fine arts fair (Nandan Mela), all the teachers and students of painting department actively participated and produced a large variety of art works such as painting calendars, clay toys, individual paintings, enamel paintings, performances etc.

DEPARTMENT OF GRAPHIC ART

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:

Departmental seminar/workshop/ Exhibition :

Takako Ishikawa, Artist from Japan gave Traditional Japanese water base wood block printmaking demonstration. 10 to 16 April 2016

Mini Print workshop for women artist, organize by Department of Graphic art, 30 Sept to 6th Oct 2016

Six Students from BFA and MFA final year along with two Faculties M Thomas Singh and Aditi Ganeev Sangwan went to Institute of Fine Arts, Chittagong University, Bangladesh Under exchange programme. 4th to 11th Nov 2016

Professor Rokeya Sultana, Department of printmaking, Faculty of fine arts, University of Dhaka, Bangladesh came as visiting fellow for delivering lecture and demonstration on printmaking at department of Graphic art, Kala Bhavana. Nov 2016

Prof. Anandamoy Banerjee from South Delhi Poly-technique was invited to deliver a illustrated lecture on contemporary Indian printmaking. 29th Nov 2016

National Printmaking camp and workshop jointly organized by lalit kala academy New Delhi, regional centre, Kolkata and department of Graphic art. 1st to 8th Dec 2016

Only national and international standard conference / seminar / workshop/ exhibition etc attended by teachers / research scholars in details (Maximum 2 per teacher)

Nirmalendu Das

2017: Participated in Pune Biennale, Pune,

2017: International Art Exhibition at ICCR Art Gallery Kolkata.

Arpan Mukherjee

2016: Participated in "BodhGaya International Art Biennale" Bodhgaya.

2017 : conducted workshop on Alternative photography in K.S School of Architecture , Bangalore

Ajit Seal

2016: Invited as Resource person to Demonstrate techniques of platography , graphic Art studio, Directorate of Art and Culture, Sanskruti Bhavana, Goa

2017: Participant of "Diversity in Duality" an Art Exhibition by two Artist from India , Shilpangan Gallery , Dhaka, Bangladesh.

Salil Sahani

2017: . Participated in Pune Biennale, Pune,

2017: Participated in National Artist Camp at State University of Performing and Visual Arts, Rohtak, Haryana

Uttam Kr. Basak

2016: National Printmaking Workshop organized by Lalitkala Regional Centre, Kolkata at Somnath Hore International Artist Residency, Santiniketan

2017: Participant of "Diversity in Duality" an Art Exhibition by two Artist from India , Shilpangan Gallery , Dhaka, Bangladesh.

M. Thomas Singh

2016.: Exchange Programme with Dept.of Printmaking, Chittagong University, Bangladesh

2017: Participated in Pune Biennale, Pune

Prashant Phirangi

2017: International Sint-Niklaas: bookplates and small printmaking exhibition -Netherlands

2017: 6th Guanlan International print biennial China

Aditi Ganeev Sangwan

2016: Solo Exhibition 'Passage through Imagination' - Prints, Paintings and Instillations at Museum of Fine art, Panjab University, Chandigarh. October 2016

2017: Participated at Kibria Print Fair, Dhaka, Bangladesh, February 2017

Ongoing research project in the Department: Nil

Extension activities / NSS/ Cultural and other activities organized by the department and participated by the teachers and students of the department. :

Artist Residency programme at Somnath Hore international residency programme , Lalbandh Village: Professor Shyam Sundar of Hyderabad university been invited as artist in residence for one month.

Academic distinctions gained by Teachers/ Scholars or the department as a whole (Like recognition as D.S.A or C.A.S .etc.)

PRASHANT PHIRANGI received 7th AIFACS- Digital Art award-2017

Publication within the year April 2016-March 2017

A) Inktrails, A book of graphic Story, published by the department of Graphic Art.

Designing New course/ Curriculum or any other teaching innovations introduced by the department.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Any other relevant information which in the opinion of the HOD is worth - reporting should be included.

DEPARTMENT OF HISTORY OF ART

Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination- (Phd, UGC Net
Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)

National Seminar at the Department of History of Art, in collaboration with Rashtriya Lalit Kala
Kendra (Kolkata), 10th - 11th September 2016

Title of the seminar: Critical Interdisciplinarity: A Theory- Practice Perspective in The Visual Field
Convener: Anshuman Dasgupta

National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by
Teachers/ Research scholar in details.

R. Siva Kumar

- i. 'Husain: Individuality and Belonging', Husain 100, Seminar organised by Virasat Art, Academy of Fine Arts, Kolkata 9th to 11th April, 2016.
- ii. 'Crafts and Sustainable Development: The Santiniketan Legacy,' Crafts Council of India, National Meet, Santiniketan, 7th April 2016.
- iii. 'The Impact of Japan on Rabindranath's Idea of Art', International Conference Tagore and Japan: Various Aspects of Japan and Her Culture, Santiniketan August 26-27 2016.
- iv. 'K. G. Subramanyan: Seven Decades of Art', Kerala Lalita Kala Akademi Yusuf Arakkal Memorial Talks, Ernakulam, 21 Oct. 2016.
- v. 'Abanindranath and Rabindranath: A Creative Dialogue', Kerala Lalita Kala Akademi Yusuf Arakkal Memorial Talks, Ernakulam, 22 Oct. 2016.
- vi. 'Venkatappa: The Calcutta Interlude', Mysore Modernity: Artistic Nationalism and the Art of Venkatappa, International Conference organised by the NGMA, Bengaluru and Somberikatte, at NGMA Bengaluru 25 to 27 Nov. 2016.
- vii. 'Locating Bengali Aesthetical Ethos in the Development of Modern Indian Art Practice', Birla Academy of Art and Culture, Kolkata, 13 Jan 2017.
- viii. 'Rabindranath, Cosmopolitanism, and Cross-Cultural Encounters in Modern Art', Rabindranath and Cosmopolitanism, International Conference Organised by Department of English and Other Modern European Languages, Visva Bharati, Santiniketan, 27 - 28 Feb. 2017.
- ix. 'Rabindranath and the Confluence of Indian and Japanese Art at Santiniketan', An Encounter Between Two Asian Civilizations, International Seminar organised by the Asiatic Society, Kolkata, 15 March 2017.
- x. 'Some Thoughts on Art Schools', The Future of Indian Art Education, organised by the Kochi Biennale Foundation in conjunction with the Student's Biennale, Kochi, 17-19 March 2017.

Sanjoy Kumar Mallik

- i. Series of illustrated lectures for the course component "The Bengal Revivalism: Tagore and Santiniketan" as part of their Post-Graduate Diploma in Modern and Contemporary Indian art and Curatorial Studies at the Bhau Daji Lad Museum, Mumbai, 17th - 19th March 2017

- ii. Illustrated talk/open public lecture titled "Kalo Bari or Black House: a unique unbaked clay structure as a hostel for visual art students in Santiniketan" at the Bhau Daji Lad Museum, Mumbai, 18th March 2017
- iii. Illustrated lecture on tracing an overview of Modern Indian Art for the members of the Art Purchase Committee (Eastern Region), Reserve Bank of India (Kolkata), at their meeting in Santiniketan 29th July 2016
- iv. Illustrated lecture on Abanindranath Tagore on the occasion of the artist's birth anniversary, Tagore Research Institute, Kolkata, 25th August, 2016

Anshuman Dasgupta

- i. Paper titled "Emergency and Emergence: The Intersections of Disciplines", National Seminar on the theme Critical Interdisciplinarity: A theory- Practice Perspective in The Visual Field at the Department of History of Art, Kala-Bhavana, in collaboration with Rashtriya Lalit Kala Kendra (Kolkata), 10th - 11 Sept 2016
- ii. Two lectures delivered at the Trivandrum College of Art, Kerala, April, 2016:
 - (1) "Towards 2019: A Futurity"
 - (2) "New Media Art practices in India"
- iii. Delivered a lecture titled "On Inter-disciplinarity and the new media practices", Mavelikkara, Kerala, April, 2016

Soumik Nandy Majumdar

- i. Delivered a lecture at National Seminar on Art Education, organized by Lalit Kala Akademi and held at Karnataka Chitrakala Parishath, Bangalore, 3-4 March 2017.
- ii. Delivered a series of lectures on Indian Art and Western Art at SRFTI, Kolkata, December 2016
- iii. Delivered a lecture at the national seminar on 'Critical Interdisciplinarity: A Theory-Practice Perspective in the Visual Field', organized jointly by Lalit Kala Academy Regional Centre, Kolkata and Kala Bhavana, at Kala Bhavana, on 10th & 11th September, 2016.
- iv. Delivered a series of lectures on Art Appreciation at FTII, Pune, August 2016
- v. Delivered lecture at National Seminar on Hussain-100, organized by Virasat Art, held at Government College of Art, Kolkata, on 13th April, 2016.
- vi. Delivered a lecture at IVth Annual Conference on Art Therapy -- Visual Art in Therapy organized by DANA (Diagnostic and Applied Neuropsychological Association), Kolkata, 10th April, 2016

Ongoing research Projects in the department: Nil

Extension activities

Various projects are undertaken during the annual art fair, Nandan Mela, to reach out to the larger local community. Among these, mention may be made of the journal titled Searching Lines which is a students' initiative over the last couple of years, as a publication showcasing their own original essays.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)

Individual Distinctions:

R. Siva Kumar

Selected to the Mario Miranda Chair under the Visiting Research Professors Programme, Goa University, 2016

Sanjoy Kumar Mallik

Invited by the Chief General Manager to be an advisory member of their Art Purchase Committee (Eastern Region), Reserve Bank of India, Kolkata, May 2016

Meghali Goswami

1. Associateship of the UGC Inter-University Center for Humanities and Social Sciences at Indian Institute of Advance Studies, Shimla (2016-2018)
2. Invited as Visiting Fellow in the Department of Visual Arts, Assam University Silchar 2016

Anshuman Dasgupta

1. Selected : Researcher, Bauhaus 100 Years, from 2017-2018
2. Pedagogical research, Chief researcher , 2018-2020
3. Jury:
 - i. Delfina Foundation, London, Jan. 2017
 - ii. Art scribes award, New Delhi, March, 2017
8. Publication within the year April 2016 - March 2017:

R. Siva Kumar

Articles:

- i. 'Ramkinkar and Modernism's Dual Commitments', in Goshka Macuga Ed., Before the Beginning and After the End, Fondazione Prada, Milan, 2016, pp.141-143. ISBN: 978-88-87029-65-9
- ii. 'Rabindranth as Painter', Chhanda Chatterjee Ed., Rabindranth Tagore: A Mind Staring into Infinity, Primus Books, Delhi, 2016, ISBN: 978-93-84082-82-6.
- iii. 'Rabindranath Tagore', and 'The Santiniketan School', Online Routledge Encyclopaedia of Modernism, Taylor and Francis, 2016, <https://www.rem.routledge.com/articles/the-santiniketan-school> & <https://www.rem.routledge.com/articles/tagore-rabindranath-1861-1940>
- iv. 'Portrait of an Artist as a Humanist', Art Journal, vol.16, 2016, pp.8-13.
- v. 'Remembering K. G. Subramanyan, the Teacher' Depart, Volume 7 Issue 21, July-Dec 2016, pp.23-25.
- vi. 'Peter Briggs: An Artist Who Belongs Differently to Our Times', in Peter Briggs, Texts by, Sarah Zürcher, Christian Bonnefoi, R. Siva Kumar, Erin Manning, Arnaud Maillet, Tristan Trémeau, and Isabelle Tessier, Naima, Paris, Dec. 2016
- vii. 'Ek Sthayi Uttaradhikar', Shiladitya, Feb. 2017, pp. 17-24
- viii. 'Remembering K. G. Subramanyan: An Enduring Legacy', Mani, K.G. Subramanyan Collections from the Kala Bhavana Museum, Santiniketan 2017, pp.2-6.
- ix. 'Krishan Reddy,' catalogue text for the Retrospective Exhibition of Krishna Reddy at Kala Bhavana, Santiniketan, 20-26 March 2017.
- x. 'Drawing as Attention, Pondering and Remaking', Catalogue text for K. G. Subramanyan: Sketches, Scribbles, Drawings, Kerala Lalita Kala Akademi, Trichur 2017, pp. 1-4.

Book:

'Multiple Worlds of A. Ramachandran', A. Ramachandran: A Retrospective of Paintings, Sculpture, Drawings and Graphics 1964-2016, Vadehra Art Gallery and NGMA, 2016, ISBN 978-93-80001-94-4

Sanjoy Kumar Mallik

- i. "Prefatory notes towards comprehending the Kalo Bari: reflections on the significance of a unique architectural structure", Black House/ Kalo Bari, Ed. Sanjoy Kumar Mallik, Visva-Bharati Publishing Department, Kolkata 2016, pp. 1 -27 [ISBN: 978-81-7522-622-7]
- ii. "Articulating suffering, voicing protest: visual art in solidarity with the 'people'", The Progressive Cultural Movement/ a critical history, SAHMAT, New Delhi, 2017, pp. 238 - 253 [ISBN: 978-93-80536-60-6]

Meghali Goswami

- i. Goswami.M, & Deka, M , Sculptures of Assam, Aayu Publication, New Delhi 2017
- ii. Goswami M, "Rokeya Sultana Contemporary Artist of Bangladesh", Lalit Kala Journal , Trimashik, Jaipur 2017
- iii. Goswami M , Contemporary Art of North East India, Samkalin Prakashan, Jaipur, December 2016

Anshuman Dasgupta

- i. Dhaka art Summit Anthology , Critical Art Ensemble , SAF, Dhaka and OCA, Oslo, January, 2017
- ii. Dhaka Art Summit: Curatorial Thoughts, Jan, 2017

Soumik Nandy Majumdar

- i. Text for the catalogue of Jogen Chowdhury Retrospective Show at National Gallery of Modern Art, Bangalore, April 2016
- ii. Published an essay titled 'The lightning should have struck me' at Depart, Vol.7, Issue 20, January-June 2017, ISSN 2310-6832

Designing New Course / Curriculum or any other teaching innovations introduced by the Department

Following the UGC instructions to the effect, the existing semester system syllabus for the undergraduate courses are being redrafted and re-designed along the proforma of the Choice Based Credit System pattern of distribution of courses and credits; the same is expected to take effect from the current academic session.

A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.

Like most aspects of Rabindranath's educational programme, the teaching of Art History at Kala Bhavana had an informal beginning and organic evolution before it was given an institutional framework. The inaugural moment of Art History at Kala Bhavana can be traced to the arrival of the renowned Art Historian Stella Kramirsch at the end of 1922 on an invitation from Rabindranath Tagore to join the newly founded Visva Bharati.

Given Kramirsch's training at Vienna which was the centre of Art History in Europe prior to the

second World War, and her keen interest in Indian Art, she was also seen by Tagore as the appropriate person to bring a global perspective to art historical discourse at Santiniketan which had already a pan-Asian breadth. Kramrisch was followed by other visiting scholars and the discourse continued informally, with Rabindranath, Abanindranath Tgaore, Nandalal Bose and Benodebehari playing seminal in carrying it forward.

In 1958 Art History became a taught and examined course at Kala Bhavana, and this was one of the first art institutions to do so in India. Ten years later when Kala Bhavana was restructured along disciplinary lines an independent Department of History of Art was established-along with those of Painting, Sculpture and Graphics. And this led to the introduction of History of Art as an Area of Specialization.

The Department plans to enlarge its archival collection and build a more comprehensive visual archive to serve both pedagogic and research needs of not only the faculty but of the region. We plan to increase the stress on research and documentation, so that the focus of both faculty and students is directed primarily towards knowledge generation rather than on the accumulation and pedagogic dissemination of information.

The Department also has plans to incorporate more of recent methodological apparatus and polemical directions, and widen the scope and possibilities of the discipline of Art History both from within and without the limits of institutional teaching-learning modules. We also are working towards enhancing interaction with scholars beyond the regular staff members in the teaching community so that a greater diversity of interest and research can be encouraged among the students.

Particulars in details of the departmental Library

Department has no separate library; please refer to Kala-Bhavana profile.

Any other relevant information, which in the opinion of the head of the department is worth reporting, should be included.

Activity of Students in 2016-17: -

Activity of the teachers in 2016-17:

R. Siva Kumar

Curation: "A Ramachandran: A Retrospective of Paintings, Sculpture, Drawings and Graphics 1964-2016", organized by NGMA, Bangaluru in collaboration with Vadehra Gallery, Delhi, 5th to 26th October 2016

Sanjoy Kumar Mallik

1. Appointed External Examiner for PhD Viva-voce Examination, Jadavpur University, Kolkata June 2016
2. Nominated by the Vice-Chancellor, Rabindra Bharati University, Kolkata in December 2016 as an External Expert on the Departmental Research Committee (DRC) for the Department of History of Art, Faculty of Visual Arts, RBU, for the period 2016-2020

Anshuman Dasgupta

PhD thesis submitted to the Goldsmiths's College, University of London, January 2017

NANDAN KALA BHAVANA MUSEUM

Documentation of Art Objects

Digitalisation of Art Object	:	1261 Nos.
Computerization of Documented Art Object details	:	4054 Nos.
Accession & Documentation of Art Object (Strong room-1)	:	60 Nos.
Accession & Documentation of Art objects (Strong room-2)	:	846Nos.
Preventive and Curative Conservation of Art objects		
Curative Conservation	:	402Nos.
Mounting with acid free mount board & fixing of hinges	:	20 Nos.
Integrated pest management	:	002 Times.

Rearrangement of Art object in Strong Room No.-1

First phase Rearrangement of art object in Strong Room -1 according to the ascending order of Accession Number[00001 ---- 04054] with proper references.

Achievement of Museum Staff

Sushobhan Adhikary, Curator, Kala-Bhavana Museum invited as chief-guest in the workshop "Conservation and Restoration of Paintings" organised by Directorate of Archaeology & Museum with the technical assistance of INTACH, Kolkata on 18th September 2016.

Amulya Kumar Jena, Preservation Assistant, Kala-Bhavana Museum participated as Special Invitee in the workshop "Conservation and Restoration of Paintings" organised by Directorate of Archaeology & Museum with the technical assistance of INTACH, Kolkata on 18th September 2016.

Special Exhibition & other activities at Nandan Gallery, Kala Bhavana Museum

1. May 2016-Santiniketan Alpona: Past & Present.
2. July 2016 - Exhibition of Prints, Burapa University, Thailand.
3. August 2016-Annual Exhibition of Siksha-Satra, Sriniketan.
4. August 2016-Special Exhibition on Late Prof. K. G. Subramanyan.
5. August 2016-Exhibition of "Kala Bhavana- Teachers work shop".
6. September 2016-Exhibition of Prints on Indian miniature paintings.
7. September 2016- Politicomania, Santaran Art, Bangladesh.
8. September 2016-Art works of Siva Prasad Kar Chowdhury.
9. September 2016-Devi Durga (prints) by various artists, Jibansmriti, Uttarpara.
10. November 2016-Paintings of Prasun Kanti Bhattacharya, Kala-Bhavana.
11. November 2016-Art works of Rokeya Sultana, Dhaka, Bangladesh.
12. November 2016-Annual Exhibition of Patha-Bhavana, Santiniketan.
13. November 2016-Photographic Association of Dum Dum, Kolkata.
14. November 2016-Paintings of Reinger Langer, Germany.
15. November 2016-Paintings of Tanup Kumar Nath, Santiniketan.
16. February 2017-Art works of K. G. Subramanyan, Kala Bhavana & Seagull, Kolkata.
17. February 2017-Centenary Exhibition of Mira Dhar (Chatterjee).

18. March 2017-Drawings & prints of Krishna Reddy, Kala-Bhavana&Lalit Kala Academy.
19. March 2017-Retrospective Exhibition of Badhan Das.

Screening of Documentary film

Documentary film on Subrata Mitra (May 2016).

Identification and Documentation Java & Santiniketan Batik by the expert

Dr Maria Wronska-Friend, an expert in Indonesian textiles and Senior Research Fellow from James Cook University in Australia, was invited for the identification and documentation of the Javanese and Santiniketan batik collections at Kala-Bhavana Nandan Museum. During the month in December 2016.

National Seminar

National Seminar organized by History of Art, Kala-Bhavana (10, 11 September, 2016).

Conservation Workshop

A Three day workshop on "Conservation and restoration of oil paintings" was organized at Nandan Kala-Bhavana, Visva-Bharati in collaboration with Suresh Amiya Memorial Trust and INTACH Conservation Institute. March 5-7, 2017

Special services given to

1. Nirmalya Mahato, Kala-Bhavana
2. Saibal Mitra, Kolkata
3. Banatanwi Dasmahapatra, Kala-Bhavana
4. Gautam Haldar, Kolkata
5. P. R. Goswami, IGNC, New Delhi
6. Rimli Sen Gupta, Kolkata
7. Prof. R. Siva Kumar, Kala-Bhavana
8. Amitava Bhattacharya, Kolkata
9. Nandini Ghosh, Santiniketan
10. Swami Medhasanda, Vedanta Society of Japan
11. Mahati Vashishtha, Benaras Hindu University
12. Prof. Yin Ker, School of Art, Design and Media, Singapore
13. Prof. Maria Wonska, UK
14. Prof. Marieke Bloembergen, Netherlands
15. Prof. Idesblad Goddeeris, Belgium
16. Sria Chatterjee, USA
17. Amit Kumar Dhara, Kala-Bhavana
18. Dipankar Ghosh, Kolkata
19. Pavitra Shyam, Bangalore
20. Samit Das, New Delhi

SANGIT BHAVANA
DEPARTMENT OF RABINDRA SANGIT, DANCE & DRAMA
DEPT. OF HINDUSTHANI CLASSICAL MUSIC

1. Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Swapnadeepa Gandhi	-	JRF
Deboshree Das	-	NET & JRF
Nibedita Das	-	JRF
Anamika Mishra	-	NET
Resmita Nandi	-	NET & JRF
Reema Dasgupta	-	NET - JRF
Jagannath Barman	-	Rajib Gandhi Fellowship
Satarupa Sadhukhan	-	NET
Ferdous Begum	-	NET
Mantu Saha	-	NET
Partha Dey	-	JRF
Rajrishi Chakraborty	-	JRF
Ashok Barman	-	NET
Nabendu Kiran Debnath	-	NET
Supriya Chakraborty	-	NET
Sourav Roy	-	NET
Amrita Majumder	-	NET
Surashree Chatterjee	-	NET
Monali Bairagi	-	NET

Departmental Seminars (Speakers, Title of the Seminar, Date).

- I. One day National Seminar Titled-"Western Music in Gurudev Rabindranath`s View" organized by Rabindra Sangit-Gabeshana Kendra, Sangit-Bhavana, Visva-Bharati on 24th March, 2017.
- II. One day National Seminar Titled-"Rabindranath-O-Germany" organized by Rabindra Sangit-Gabeshana Kendra, Sangit-Bhavana, Visva-Bharati on 17th January, 2017.

Madhabi Ruj (Ghosh):

Organised one day National Seminar Titled-"Western Music in Gurudev Rabindranath`s View" organized by Rabindra Sangit-Gabeshana Kendra, Sangit-Bhavana, Visva-Bharati on 24th March, 2017.

Swapan Kumar Ghosh & Swastika Mukhopadhyay

- i. Acted as joint convenor in the seminar Titled-"Western Music in Gurudev Rabindranath`s View" organized by Rabindrasangit Gabeshana Kendra, Sangit-Bhavana Visva-Bharati.
- ii. Acted as Joint Editor of the Journal "Ramyabina" published from Sangit-Bhavana, Visva-Bharati on March 2017.

Prasanta Kumar Ghosh

- i. 24th March, 2017: Participated and Performed in the One Day Seminar on 'Rabindranath and

Western Music' Organized by Rabindrasangit Gabeshana Kendra, Sangit Bhavana, Visva-Bharati, Santiniketan.

- ii. 17.01.2017: Participated and performed in Seminar on Tagore and Geerman by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

Sandip Kumar Ghosh

Sub-committee member of the Seminar "Rabindranath and Western Music" organized by Sangit-Bhavana, Visva-Bharati.

Saptarshi Ray

- i. Set as member of finance committee for the seminar RABINDRANATH & WESTERN MUSIC held on 25.03.2017 in Sangit Bhavana, organized by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.
- ii. Performed citation along with lecture of Prof. Dr. Sitansu Ray (Title- Rabindra Drishtite Pashchatya Sangit) in the seminar RABINDRANATH & WESTERN MUSIC held on 25.03.2017 in Sangit Bhavana, organized by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

Only National and International Level Standard Conferences/ Seminars/Workshop/ Exhibitions/Performances attended by teachers, Research Scholars in details.

Madhabi Ruj

13th May 2016: Mou between Sangit-Bhavana, Visva-Bharati with JNMDA (Manipuri University).

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Directed and Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

01.06.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

05th August 2016: Solo performance and Rituranga perform by Faculty and Students of Sangit-Bhavana at Lipika, Visva-Bharati, on the Visit of Honorable Chief Minister of West Bengal Smt. Mamata Bandopadhyay at Visva-Bharati, Santiniketan

06th August 2016: Organised Esraj recital by Prof. Buddhadev Das, Shubhayou Sen Majumder and Abir Singh Khangura at Lipika organized by Centre for Esraj and Rabindrasangit Gabeshana Kendra, Sangit-Bhavana.

07th August 2016: Performd 22se Sraban mandir performed by Sangit-Bhavana.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaher Bhashanabali" on the occasion of 22se Sraban published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

07th August 2016: Briksha Ropan participated and performed by Sangit-Bhavana at Santosalay, Visva-Bharati.

12th August 2016: LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

14th August 2016: Performed "Nritya-Geetialekahya" at Asansol being invited by S.D.M, Asansol, W. Bengal on the occasion of state wise celebration of Kanyashree Dibas, Govt. of W. Bengal.

14.08.2016: to performed students of Sangit-Bhavana "Raibeshe Dance" at Rabindra Sadan, Suri being invited by District Project Management Unit, Suri on the occasion of Kanyashree Day, under project of Govt. of W. Bengal.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

30th November 2016: Performed songs by faculty and students if Sangit-Bhavana in Nirmal Swachha Abhijan at Suri on invitation of District Magistrate, Suri Govt. of W. Bengal.

25th January 2017: Composition of Music for Invocation songs at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal by our faculty members and students of Sangit-Bhavana, Visva-Bharati

11th March 2017: Organised programme in Basanta Bandana prrformed of Faculty and Student by Sangit-Bhavana Performed Rabindra Sangit, Classical Vocal and Solo Sitar Recital by Swapan Kumar Ghosh and Tabla Accompanied by Sri Sandip Kumar Ghosh on the occasion of Basanta Bandana at Visva-Bharati, Santiniketan, organized by Karmi Parishad, Visva-Bharati.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati

Swastika Mukhopadhyay

13th May 2016: Mou between Sangit-Bhavana, Visva-Bharati with JNMDA (Manipuri University).

21st May 2016: Performed solo programme at Rabindra Sadan, Kolkata on the occasion Kabi Paksha being invited by Information and Cultural Affairs, Govt. of West Bengal.

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Directed and Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub,

Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

01.06.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

05th August 2016: Solo performance and Rituranga perform by Faculty and Students of Sangit-Bhavana at Lipika, Visva-Bharati, on the Visit of Honorable Chief Minister of West Bengal Smt. Mamata Bandopadhyay at Visva-Bharati, Santiniketan

07th August 2016: 22se Sraban mandir performed by Sangit-Bhavana.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaher Bhashanabali" on the occasion of 22se Sraban published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

07th August 2016: Briksha Ropan participated and performed by Sangit-Bhavana at Santosalay, Visva-Bharati.

12th August 2016: LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

14th August 2016: Performed "Nriya-Geetialekahya" at Asansol being invited by S.D.M, Asansol, W. Bengal on the occasion of state wise celebration of Kanyashree Dibas, Govt. of W. Bengal.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

11th March 2017: Faculty and Student by Sangit-Bhavana Performed Rabindra Sangit, Classical Vocal and Solo Sitar Recital by Swapan Kumar Ghosh and Tabla Accompanied by Sri Sandip Kumar Ghosh on the occasion of Basanta Bandana at Visva-Bharati, Santiniketan, organized by Karmi Parishad, Visva-Bharati.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by

Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati

Sabyasachi Sarkhel

18th -23rd April'2016 .Attended as an expert member in UGC NET workshop in Delhi.
25th April'2016.Attended as an external expert in the selection committee meeting at Indira Kala Sangeet Viawavidyalaya,Kharagarah,Chattisgarh.
3rdAugust to 7th August'2016Visited as a member of UGC NAAC Peer team at Sambalpur University,Odisha.
24th to 28th October'2016.Attended as an expert member in UGC NET workshop in Delhi.
9th to 10th December'2016 Perticipated as chair person at National Seminar of Music organised by Naad Nartan and Sangeet Natak Akademy at Delhi.
19th to 21st December'2016.Visited as a member Co ordinator of UGC NAAC Peer team at Beed, Maharashtra(Balbhim Arts,Science and Commerce College,Beed)
12th January'2017. Recorded Sitar Performance at Doordarshan(TV).Telecasted at DD Bangla,Kolkata on 11.o2.2017.
18th February'2017.Performed Sitar recital on the occasion OF 90TH birth anniversary of Ustad Halim Zafar Khan at Madhyamgram, Kolkata.
14th March.Presented paper in the seminar of music on Kazi Nazrul at Kazi najrul University.
18th March'2017.Performed sitar recital at Lipika Auditorium, Santiniketan.
25th March to 2nd April'2017. Visited Bangla Desh (Dhaka University, Rajshahi University and Jagannath University)and deliverd Lecture and Demonstration on Hindstani Classical Music.
30th March, 2017 Performed Sitar recital on Bangla Desh Television, Dhaka.

Sruti Bandopadhyay

April 11 to 16, 2016 Member of Confidential Workshop of UGC, New Delhi
June 3, 2016: Extension Lecture at the Department of Education, Calcutta University
June 13, 2016: Performance of choreography Jaya Jaya Bhanu Jaya Jayadeva At Indian Statistical Institute on the occasion of Tagore's birthday celebration.
July 28 to 31, 2016: Co-ordinator of the NAAC Assessment Team at Indore
August 28, 2016: Invited to be judge in competitions of Classical Dances at Ranigunj
October 24 to 30, 2016: Member of Confidential Workshop of UGC, New Delhi
October 3 to 5, 2016: Co-ordinator of the NAAC Assessment Team at Patiala
November 11, 2016: Resource person in the Refresher Course organized by Government Art College
February 9, 2017: Invited to be judge in competitions of Classical Manipuri Dance, Youth Festival 2017
February 16, 2017: Deliberation at the Seminar in the Department of Philosophy, at North Bengal University
March 1, 2017: Resource person in a NAAC sponsored seminar at Indira Kala Sangit Visvavidyalaya, Khairagarh
March 14, 2017: Classical Manipuri Dance performance at the Festival of Classical Dances at Guruvayoor Temple, Kerala.
May 24, 2017 Extension Lecture at the Department of Education, Calcutta University

Prasanta Kumar Ghosh

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Directed and Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

01.06.2016: Performed Solo Rabindra Sangit at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata

01.06.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

05th August 2016: Solo performance and Rituranga perform by Faculty and Students of Sangit-Bhavana at Lipika, Visva-Bharati, on the Visit of Honorable Chief Minister of West Bengal Smt. Mamata Bandopadhyay at Visva-Bharati, Santiniketan

07th August 2016: Performed Solo performance in Rabindra Sangit on the occasion of 22se Sraban mandir.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaher Bhashanabali" on the occasion of 22se Sraban published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

07th August 2016: Participated and Performed in the Briksha Ropan at Santosalay, Visva-Bharati.

07th August 2016: Music Directed and Performed in Radio Programme "Smaran" on 22se Sravan at Prasar Bharati, Santiniketan.

12th August 2016: Performed Solo performance in LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

05.10.2016: Performed solo Rabindra Sangit at Lokenath B. Ed. College, Prithiba, Chakla, 24 Parganas (N)

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

17.12.2016: Performed Rabindra Sangit at Mohor Kunja, Kolkata, organized by Bangla Sangeet Mela, Information and Cultural Affairs, Govt. of West Bengal.

14.01.2017: Performed solo Rabindra Sangit at Town Library, Bolpur by the Invitation of "Akash Music" Kolkata.

17.01.2017: Participated in Seminar on "Rabindranath-O-Germany" Organised by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

25th January 2017: Composition of Music for Invocation songs at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal by our faculty members and students of Sangit-Bhavana, Visva-Bharati.

04.02.2017: Performed Solo Rabindra Sangit at Communitie Hall, Sriniketan by invitation of SBEAR Institute of Agriculture, Sriniketan on the occasion of International Conference on Bio-Research Enviroment and Agricultural science.

15.02.2017: Performed and acting in the Tagore`s Drama "Phalguni", jointly organized by Dooddarshan Kendra (Prasar Bharati) Santiniketan and Kolkata.

11th March 2017: Faculty and Student by Sangit-Bhavana Performed Rabindra Sangit, Classical Vocal on the occasion of Basanta Bandana at Visva-Bharati, Santiniketan, organized by Karmi Parishad, Visva-Bharati.

12th March 2017: Music Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

P. Muklunda Kumar

Dance drama at Kolkata on 21st March 2016.

Kathakali Costume designing and make-up at Kolkata on 3rd April 2016

Traditional Kathakali programme Under Visva-Bharati (Bhagavath Geetha Krishnan) at Lipika Auditorium on 7th April 2016.

Traditional Kathakali Programme at Kerala on 18th April 2016.

Traditional Kathakali Programme at Kerala on 22nd April 2016.

Traditional Kathakali Programme at Kerala on 23rd April 2016.

Traditional Kathakali Programme at Kerala on 24th April 2016.

Active participation in all functions and festivals conducted by Visva-Bharati, Sangit-Bhavana.

Amit Verma

Performed in "Jalsa" program organized by Dibrugarh University, Assam on 26.10.2016

Arpita Dutta (Das)

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

01.06.2016: Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

05th August 2016: Solo performance and Rituranga perform by Faculty and Students of Sangit-Bhavana at Lipika, Visva-Bharati, on the Visit of Honorable Chief Minister of West Bengal Smt. Mamata Bandopadhyay at Visva-Bharati, Santiniketan

07th August 2016: 22se Sraban mandir performed by Sangit-Bhavana.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaher Bhashanabali" on the occasion of 22se Sraban published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

07th August 2016: Briksha Ropan participated and performed by Sangit-Bhavana at Santosalay, Visva-Bharati.

12th August 2016: LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

17.01.2017: Participated in Seminar on "Rabindranath-O-Germany" Organised by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

Manini Mukhopadhyay

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitragada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Performed in Tagore`s Dance Drama "Chitragada", in at Tollyclub, Tollygunje,

Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

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12th August 2016: LECTURED delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

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16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

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17.01.2017: Participated in Seminar on "Rabindranath-O-Germany" Organised by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

Dr. Amartya Mukhopadhyay

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

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01.06.2016: Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

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26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

Directed Rabindranath Tagore`s Drama "Hasya Koutuk" at Natya Gharon on the occasion of Sharadotsava organized by Visva-Bharati Karmiparished participation of Students of Sangit-Bhavana.

Directed Rabindranath Tagore`s Drama "Raktakarobi" at Natya Gharon on the occasion of Sharadotsava organized by Visva-Bharati Karmiparished participation of Students of Bhasha Vidya Bhavana.

Directed Rabindranath Tagore`s Drama "Lanka Dahan Pala" at Natya Gharon on the occasion of Sharadotsava organized by Visva-Bharati Karmiparished participation of Students of Visva-Bharati, santiniketan.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

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19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.12.2017: Performed Radio Programme "Dinendra Janmotsava" at Prasar Bharati.

17.01.2017: Attend one day Seminar on "Rabindranath-O-Germany" Organised by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

On January 2017: Directed 'Rituranga in BITM, Bolpur in National Conference.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the

occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

All programmes and traditional Festivals organized (As the Secretary, Karmi Mandali) of Visva-Bharati, Santiniketan.

The Cultural Convenor: Poush mela Committee, 2016.

Present Lecture on Tagore in Burdwan Women` College, Burdwan.

Present Lecture on Tagore in Vivekananda College College for Women, Kolkata on August 2016.

N. P. Sankar Narayanan

Performed Solo Programme at Prasad Bharati, All India Radio Calicut, Kerala on 10.06.2016.

Performed Solo Programme at Prasad Bharati, All India Radio Calicut, Kerala on 15.03.2016.

Performed Tagore Dance Drama "SHYMA" with Patha Bhavana for NAVA VARSHA 2016 at Santiniketan.

Performed Tagore Dance Drama "SHYMA" with Patha Bhavana at Jadavpur University Campus, Kolkata.

Performed Tagore Dance Drama "Chytrangada" at Kolkata on 21.05.2016.

Performed Tagore Dance Drama "Chytrangada" at Kolkata Toli Club on 22.05.2016.

Performed Traditional Kathakali Programme at Krishna Nagar on 16.11.2016.

Performed traditional Kathakali Programme the occasion of Margi Utsav Festival organized by Eats Zone, Ministry of Culture, Government of India at Srijini Santiniketan on December 24th - 26th 2016.

Performed Tasherdes on Basanto Utsav with Sangit Bhavana, Visva Bharti, Santiniketan on 2017 March.

Participated in the Seminar on Rabindranath and Western Music organized by Rabindra Sangit Gabesna Kendra, Sangit Bhavana, Visva Bharati, Santiniketan on 24th March 2017.

Suचेन्द्रानथान. P.K

Kuvalayam kathakali sabha, kannur, kerala, june-2017.

Keleeravam 2017 thalippambu kathakali kendra, kerala, may-2017.

Thrissur kathakali club, thrissur, kerala, may-2017.

Palakkad kathakali club, palakkad, kerala, may-2017.

Sarbabaratiya sangeet-o- sanskriti parishad, dance festival with kolkata kalamandalam, march-2016.

Hijala festival, dhumka, february-2017.

Ranjai Ramchandran

Use of archival recordings for teaching and learning as a means to introduce students to the stylistic diversity of different musicians

Creating awareness (amongst the students) on the use of digital information in music available on the web and introducing them to websites specifically focused on Hindustani classical music traditions

Arranging student presentation; 16th March 2017 Sixteen students of B.Mus. VI semester gave a joint PPT presentation on the "Nuances of Sound and Recording"; (a presentation on their experience of attending one day workshop at SRFTI, Kolkata in February 2017.

23rd Feb 2017; Facilitated and coordinated a visit for students of Sangit Bhavana to SRFTI ,

Kolkata as part of MOU between Visva Bharati and SRFTI to attend one day workshop on "Introduction to Sound and Recording"

Sandip Kumar Ghosh:

- i. Participated 7 days National Seminar (Burdwan University) on Communal Harmony
- ii. Participated 2 days National Seminar (Berhampur College) - Social Concept - paper presented

Amit Verma

National workshop on "Natyashastra" organized by Dept. of Hindi, Maharishi Dayanand University, Rohtak in collaboration with IGNC, New Delhi during 11-17 March 2017.

Amartya Mukhopadhyay

- iii. On September ,2016: Participated in a Seminar on presented a paper "Parychand Mitra by Sahitya Akademic", Kolkata.
- iv. 24th March, 2017: Participated and present Validiction Speech in Seminar on Tagore and Western Song by Sangit-Bhavana.
- v. Participatyed in Seminar on Rabindranath-O-German by Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

Mritunjay Prabhakar

- i. Paper Presented Phanishwarnath Renu Jayanti Samaroh Aurahi Hingana, Farbisganj, Araria, Bihar 11-12 April, 2016. Organized by PhanishwarnathRenu.com and Ramesh Jha Mahila Mahavidyalay, Saharsa Title of the Paper: Paltu Babu Road: Natkiyata Unlimited
- ii. National Seminar on 'Literary Theory and Criticism in Indian Languages', 3-4 December, 2016 Organized by Tamil & Marathi Language Unit, Bhasha Bhavana, Visva-Bharati, Santiniketan Title of the Paper: Development of Hindi Theatre Criticism after Independence
- iii. 4 Days National Convention on 'Stree Ke Paksh Men: Srijnatmak Pratirodhi Swar', 05-08 March, 2017, Organized by Women Studies Department, Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalay, Wardha (Maharashtra).
- iv. One Day Seminar on 'Shakespeare Our Contemporary' Organized by Kalyani Kalamandalam, Kalyani, West Bengal, 15 February, 2017.
- v. One day Seminar on 'The Relevance of Reading Kazi Nazrul Islam Today' Organized by The Department of English, Purnidevi Chowdhury Girls' College, Bolpur, West Bengal, 2nd March, 2017.
- vi. One Day Symposium on 'Rabindranath and Western Music' Organized by Rabindrasangit Gabeshana Kendra, Sangit Bhavana, Visva-Bharati, Santiniketan, 24th March, 2017.

Mrityunjay Kumar Prabhakar

Books

Khwahishen (Play) Publisher- Inklit Publication, New Delhi, ISBN No. - 978-81-924589-1-5

Journals

- a) Banas Jan, ISSN No. - 22316558 July-September 2015 Title of the Paper - 'Jis Lahore Nai Vekhya.. Ke Aaine men Insaaniyat'

Public Talk/Lectures

- a. Bidesiya and Sociology Involved In

20 October, 2016 Organized by Folk Studies Centre, Lalit Kala Kendra, Pune Savitribi Phule Pune University.

b. Research Methodologies

20-23 October, 2016 (10am to 5.30pm) Organized by Lalit Kala Kendra, Pune Savitribi Phule Pune University. Title of the Paper: Bollywood Ki Dunia Men Stree Pratiriodh Ki Jagah

vi. National Convention on Muktibodh Centenary Celebration on the topic 'Bhartiya Samaj aur Muktibodh Ki Rachnadharmita', 30-31 March, 2017. Organized by Hindi Bhavana, Vishva-Bharati University, Santiniketan Title of the Paper: Muktibodh Ke Katha Sahitya Men Natkiyata

On going Research Projects in the Departments :

Sangit-Bhavana has come up with Rabindra Sangit Gabeshana Kendra (RSGK) under which all its research activities are centered. A few of the projects taken up so far are-

- i. Name of the Teacher: - Prof. Indrani Mukhopadhyay
- ii. Name of the Project - Kalanukramik Rabindra Sangit Prakalpa (KRSP)
- iii. Sponsoring Agencies - Visva-Bharati
- v. Duration of the Project - 5 Years.

A project to revive Tagore`s Basanta has been identified and preparations to stage it as a revival of Basanta as staged by Tagore himself.

Various presentation of Tagore`s solo, group songs, Dance & Drama and lecture demonstrations under Rabindra Sangit Gabeshana Kendra, Sangit-Bhavana.

Participated and performed in the extension activities/NSS/Cultural and other activities organized by the Department.

Cultural Programmes

13th May 2016: Mou between Sangit-Bhavana, Visva-Bharati with JNMDA (Manipuri University.

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Directed and Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

26.05.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Indian Museum (Jadughar) on the occasion of 125th Birth Anniversary of Dr. B. R. Ambedkar, organized by Indian Museum, Kolkata.

01.06.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

05th August 2016: Solo performance and Rituranga perform by Faculty and Students of Sangit-Bhavana at Lipika, Visva-Bharati, on the Visit of Honorable Chief Minister of West Bengal Smt. Mamata Bandopadhyay at Visva-Bharati, Santiniketan

06th August 2016: Esraj recital by Prof. Buddhadev Das, Shubhayou Sen Majumder and Abir Singh Khangura at Lipika organized by Centre for Esraj and Rabindrasangit Gabeshana Kendra, Sangit-Bhavana.

07th August 2016: 22se Sraban mandir performed by Sangit-Bhavana.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaher Bhashanabali" on the occasion of 22se Sraban published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

07th August 2016: Briksha Ropan participated and performed by Sangit-Bhavana at Santosalay, Visva-Bharati.

12th August 2016: LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

14th August 2016: Performed "Nriya-Geetialekahya" at Asansol being invited by S.D.M, Asansol, W. Bengal on the occasion of state wise celebration of Kanyashree Dibas, Govt. of W. Bengal.

14.08.2016: to performed students of Sangit-Bhavana "Raibeshe Dance" at Rabindra Sadan, Suri being invited by District Project Management Unit, Suri on the occasion of Kanyashree Day, under project of Govt. of W. Bengal.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindra Sangit Gabeshana Kendra and Sangit-Bhavana.

30th November 2016: Performed songs by faculty and students if Sangit-Bhavana in Nirmal Swachha Abhijan at Suri on invitation of District Magistrate, Suri Govt. of W. Bengal.

25th January 2017: Composition of Music for Invocation songs at Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal by our faculty members and students of Sangit-Bhavana, Visva-Bharati

11th March 2017: Faculty and Student by Sangit-Bhavana Performed Rabindra Sangit, Classical Vocal and Solo Sitar Recital by Swapan Kumar Ghosh and Tabla Accompanied by Sri Sandip Kumar Ghosh on the occasion of Basanta Bandana at Visva-Bharati, Santiniketan, organized by Karmi Parishad, Visva-Bharati.

12th March 2017: Directed and Performed in Rabindranath Tagore`s Drama "Taser Desh" on the occasion of Vasantotsava at Visva-Bharati, Santiniketan performed by Faculty and Students by Sangit-Bhavana, organized by Karmi Parishad, Visva-Bharati.

Swapan Kumar Ghosh:
Gave solo performance in the programme of Basanta Bandana on the occasion of Basantotsava on

11.03.2017, organized by Visva-Bharati Karmiparishad.

Ranjani Ramchandran

2nd July 2016; Doordarshan Kendra, Santiniketan; TV broadcast

August 2016; Swarvritta, CD publication; Bihaan Music, Kolkata

December 2016; Publication of online CD Raga Nxt

16th Feb 2017; AIR broadcast (Hindustani Classical vocal) from Kolkata and on Maitree Channel

10th March 2017; Concert at Bhupan Hazarika Auditorium, IIT Guwahati

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.).

Sruti Bandopadhyay

Selected DRC expert of Department of Drama and Department of Dance, Rabindra Bharati University

Selected BOS expert of Department of Music, Kazi Nazrul University.

Expert for Research Methodology classes in the Department of Drama, Rabindra Bharati University.

Mrityunjay Kumar Prabhakar

14 days School on 'Bhasa in Performance' Organized by Indian Institute of Advanced Studies, Rashtrapati Nivas, Shimla, 29 August-11 September, 2016.

Two-Day Intensive Orientation Programme on 'Library Resources, Facilities Services and Research Methodology,' Organized by Visva-Bharati Library Network, Santiniketan, 16-17 February, 2017.

Saptarshi Ray

Attended 105th orientation course from 1st august to 28th august 2016 organized by burdwan university.

N. P. Sankarnarayan

'A GRADE' artist in Chenda Prasar Bharati All India Radio and Doordarshan Kendra.

Member of Board of Study and Teachers Council, Sangit Bhavana, Visva Bharati.

I have selected the I.C.C.R Panel on 3rd MARCH 2017.

Amit Verma

As Visiting Fellow Dhibrugarh University, Assam from 17-26 October 2016.

Suchindranath P.K.:

Sri jayadev ratriya puraskar, sri jayadev ratriya samaroh, bhanja kala mandap, bhubaneswar, Odissa-2016.

Publications within the year April 2016-March 2017.

Madhabi Ruj

Article published in the book of "Milemishe Prakashana, Kolkata" page no-266-271 music & literature in Sardiya Sankhya-1822-2015.

Sruti Bandopadhyay

Manipuri Nrityakalar Parichay, in the book Nach shikhte hole, ed. By Indrajit Aich and Biplab Sen, Publisher Pandulipi, 2017,Pg 137- 144.

Rabindranitya, in the book Nach shikhte hole, ed. By Indrajit Aich and Biplab Sen, Publisher Pandulipi, 2017, Pg 199- 206.

The following faculty are published articles in the Journal of "Ramyabina" published from Sangit-Bhavana, Visva-Bharati on March 2017.

Amit Verma

Research Methodology in Indian Music in 2017 (ISBN 978-93-85161-39-1)

"Publications on Research in Music: A Review" in Sangeet Samprati, edited by Dr. Lavanya Kirti Singh, published from Kanishka Publishing House, New Delhi.

(ISBN: 9 78-81-8457-723-5)

"Tabla Vadan me Ganit Ke Madhyam se Saoundarya Sristi" published in 'Sangeet', May 2016, Hathras, U.P. (ISSN: 0970-7824)

"Problems in Music Research: An Analysis" published in Kala Drishti (A Peer Reviewed Research Journal of Music, Art & Literature) in Vol. 5, 2016-2017 from Dept. of Music, Dayanand Arya Kanya Mahavidyalay, Nagpur (ISSN: 2278-5256)

Hindi Sahitya ke Kaviyo ka Sangeet Prem in Sangeet Galaxy E - Journal in Vol.6, Issue 1(January 2017) pp. 28-35.

Ranjani Ramchandran

Publication of Classical Music CD; Swarvritta; Bihaan Music, Kolkata (August 2016).

Publication of Classical Music CD by Raga Nxt; (December 2016).

Amartya Mukhopadhyay

On August 2016: Edited book "Rabindra Saptaha Bhashan, 1422" was published by Visva-Bharati Granthan Vibhaga, Kolkata.

Designing New Course /Curriculum or any other teaching innovations introduced by the Department:

Introduced M. Phil. Course.

Sangit-Bhavana Introduced Rabindranitya in Sangit-Bhavana, Santiniketan and Two Years` Certificate Course in Rabindra Sangit, Kolkata from the academic year 2014-15.

Sangit-Bhavana is fortunate to have three Visiting Professors, Emiretus Professors and Adjunct Professor to impart lessons according to its regular and new curriculam. They are:

Prof. Sitansu Ray, Emiretus Professor.

Prof. Arup Ratan Bandopadhyay, Emiretus Professor.

Prof. K. Jatindra Singh, Visiting Professor.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plan for development.

Sangit Bhavana as an Institute of Music, Dance & Drama under Visva-Bharati University is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals e.g. Bengali New Year day and Tagore`s birth day, 7th Pous, Festival of the rains, Tagore week, Tree Planting Ceremony, the Autumn festival, Spring festival as well as weekly Mandir Services (Upasana) etc., as laid-down in the statutes of the University since the time of Rabindranath Tagore. Innumerable other musical soirees are also presented in honour of respected guests of the University, seminars

of other depts., throughout the year. These are activities which lie outside the syllabi of the institute but are integrating factors which help our students to become acquainted with stage performance and become individual performers in later life. This is also considered as an essential aspect which uplifts the tradition of Santiniketan.

It has been increasingly felt that the dance thoughts of Rabindranath Tagore needs to be put within a systematic syllabus, which will portray the essence of Tagorean thoughts regarding dance. Hence we sincerely feel that our forthcoming Course on Rabindranitya will come up with a contribution to the tradition in Santiniketan.

The Centre for Esraj is another area where the Bhavana feels that it will contribute to the preservation and practice of this rare instrument, which was a favourite of Tagore. Through this Centre we hope to patronize the practice, playing and theorizing the instrument in all manner.

Particulars in details of the Departmental Library

[Please note that columns must be filled up as per requirement of the UGC]

Area in (square meters) quoted for the Library : 472.11 Square meter.

Is there separate provision for Reading Room ? : Yes

Total No. of books : 36,237. (Books) including 150 (CD/DVD) Gift book: 356

Total No. of books purchased during the year : 419

Total No. of Periodicals : 2000 (Bound volume)

Total No. of Periodicals purchased during the year : 12

Total no. of readers. : 1565

Total Numbers of books and periodicals issued : 4616 (through LIBSYS) class issue: 232.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

We are bestowed with the responsibility to organize different seasonal and day-marked programmes with the help of thr teachers of the institute who are equally involved with regular academic works. The vision of the great teacher Rabindranath was to give a complete education to the students by which all the humanitarian and cultural aspects, traditional values, philosophical values of life, thoughts, etc., would be imbibed in them. His vision was not to produce mere degree holders but to mould and shape the students in to real humans who would have in themselves all the higher and subtle values of life.

Regarding achievement of Sangit-Bhavana, it is worth to be specially mentioned that, Sangit-Bhavana has organized, conducted and performed numerous cultural programmes under the able leadership of Principal and Head of Sangit-Bhavana, Santiniketan and in other places of India during 2015-2016.

This will portray the essence of Tagorean thoughts regarding dance. It is a continuance of the tradition in Santiniketan.

Integrated M. Phil.-Ph.D. Course has been initiated.

The nature of the Bhavana is indicative of its research thrust areas in the Practical field.

Performances that are rendered in the festivals, conferences and seminars are all based on research on these areas, particularly on the music and its development by Rabindranath Tagore.

Dance performances, as part of festivals are researched following the vision of Tagore. Rabindra-Sangit Gabeshana Kendra (A Centre for Research on Rabindra Sangit) under Sangit-Bhavana is a conceptually unique locus for research and is set up under the Chairmanship of Upacharya, Visva-Bharati and Prof. Indrani Mukhopadhyay being the Co-Chairperson. The University has developed a corpus fund with the performance fees/honoraria received from various institutes/organizations etc. towards the productions of Sangit Bhavana under the Rabindra Sangit Gabeshana Kendra.

This corpus fund is primarily instituted to further the research work of the Centre.

Santiniketan Sangit Sabha, a new initiative of Sangit Bhavana, is instituted to create regular performance space and showcase different genres in the Indian performing arts, with specific emphasis on solo performances.

During each session of Sangit-Sabha, we include performances by the students and faculty of Sangit Bhavana.

Research Day seminars for Ph. D students have been organized regularly.

Workshops by experts of different genres in the performing arts have been held. Some of the luminaries are: Budhhadev Dasgupta; Wasifuddin Dagar; Ashish Khan; Swapan Choudhury; Dalchand Sharma; Satyabhan Sharma, Rita Ganguly; Arun Kumar Basu, Amita Dutta, Sadanam P.V. Balakrishnan.

RABINDRA SANGIT GABESHANA KENDRA

26th December 2014, Rabibitan (a new building of Rabindra Sangit Gabeshana Kendra),
Inaugurated by Nobel laureate Prof. Amartya Sen.

Activities:

2. Seminar (Speakers, Title of the Seminar, Date): 2 (Two).

I. Title - "Rabindranath-O-Germany"

Delivered by - Dr. Martin Kempchen

Date - 17.01.2017

Place - Rabindrasangit Gabeshana Kendra, Visva-Bharati

Organized by - Rabindrasangit Gabeshana Kendra, Sangit-Bhavana, Visva-Bharati

II. Title - "Western Music in Gurudev Rabindranath`s View"

Delivered by - Prof. Indrani Mukhopadhyay, Prof. Madhabi Ruj, Prof. Sitansu Roy,
Prof. Arup Ratan Bandopadhyay, Sri Debasis Roychowdhury

Date - 24.03.2017

Place - Sangit-Bhavana

Organized by - Rabindrasangit Gabeshana Kendra, Sangit-Bhavana, Visva-Bharati

Only National and International Level Standard Conferences/ Seminars/Workshop/Exhibitions/Performances attended by teachers, Research Scholars in details

Cultural Programmes

22nd May 2016: Performed Rabindranath Tagore`s Drama "Chitrangada" by the students & faculty of Sangit-Bhavana at Rabindra Sadan, Kolkata on the occasion of Kabi Paksha, organized by Rabindra Sadan Kolkata under the project of Rabindra Sangit Gabeshana Kendra, Visva-Bharati.

23rd May 2016: Directed and Performed in Tagore`s Dance Drama "Chitrangada", in at Tollyclub, Tollygunje, Kolkata being invited by Mr. Viji Iyengar, Calcutta Promotions, Kolkata.

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01.06.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Kala Mandir, Kolkata on the occasion of Rabindra Janmotsava, organized by Granthan Vibhaga, Visva-Bharati, Kolkata.

06th August 2016: Esraj recital by Prof. Buddhadev Das, Shubhayou Sen Majumder and Abir Singh Khangura at Lipika organized by Centre for Esraj and Rabindrasangit Gabeshana Kendra, Sangit-Bhavana.

07th August 2016: Perform opening song and closing song on the occasion of Inauguration Stall Granthan Vibhaga at Chatak, Visva-Bharati.

07th August 2016: Book released "Rabindra Saptaha Bhashana" on the occasion of 22se Sraban

published by Rabindrasangit Gaveshana Kendra, Sangit-Bhavana and Visva-Bharati publishing Department, Kolkata.

12th August 2016: LECTURE delivered by Prof. Indrani Mukhopadhyay on the occasion of Rabindra Saptaha at Lipika participation of Sangit-Bhavana faculty.

26.08.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion Seminar of Nippan Bhavana, Visva-Bharati organized by Dept. of Japan, Nippan Bhavana, Visva-Bharati, participation of Rabindrasangit Gaveshana Kendra and Sangit-Bhavana.

16.09.2016: Directed and Performed Rabindranath Tagore`s Drama "Chandalika" at Lipika on the occasion of UNITED STATES-INDIA CULTURAL CONNECTION THROUGH RABINDRA SANGIT organized by Visva-Bharati participation of Rabindrasangit Gaveshana Kendra and Sangit-Bhavana.

10.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika on the occasion of 36th INCA international congress Seminar, organized by Bhasha Vidya Bhavana, Visva-Bharati participation of Rabindrasangit Gaveshana Kendra and Sangit-Bhavana.

19.11.2016: Directed and Performed Rabindranath Tagore`s Drama "Shapmochan" at Lipika in the seminar of National Conference of "Self Sufficiency in pulse: challenges and way forward" organized by Bengal Chamber of Commerce and P.S.B., Visva-Bharati, participation of Rabindrasangit Gaveshana Kendra and Sangit-Bhavana.

23.12.2016 to 25.12.2016: There was an Exhibition organized by Rabindra Sangit Gaveshana Kendra in the gallery of Official Visva-Bharati Exhibition space-ground in Poush Mela, 2016.

12th March 2017: Directed by Dr Amartya Mukhopadhyay Tagore`s Drama "Taser Desh" performed by Faculty and Students by Sangit-Bhavana, on the occasion of Vasantotsava at Visva-Bharati, Santiniketan organized by Karmi Parishad, Visva-Bharati.

On going Research Projects in the Centre :

Rabindra Sangit Gaveshana Kendra (RSGK) under which research activities are centered. An important project is going on under the supervision of Prof. Indrani Mukhopadhyay.

- i. Name of the Project - Kalanukramik Rabindra Sangit Prakalpa (KRSP)
- ii. Sponsoring Agency - Visva-Bharati

Publications within the year April 2016-March 2017.

Publications

Gabeshana Kendra and Karmiparishad jointly published a collection of lectures titled Rabindra Saptaha Bhashan 1423 (Lectures on the Occasion of Rabindra Saptaha 1423) in collaboration with the Visva-Bharati Grantham Vibhaga edited by Prof. Indrani Mukhopadhyay-Dr. Ramkumar Mukhopadhyay-Dr. Amartya Mukhopadhyay

The notations created by Pratibha Devi already published with the release of the recording of a performance based on these notations in an Album titled- Balmiki Pratibha.

The Kalanukramik Rabindra Sangit Prakalpa started to establish their findings in written form with scientific pattern and aesthetical approaches and is preparing the manuscripts of this important research work going to be published.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plan for development.

The mandate of the Gabeshana Kendra includes the operation of a library, archive of records, documents on Rabindrasangit and exhibitions on manuscripts, notations and memorabilia related to Tagore's songs. It also exhibits photographs and books of well-known Rabindrasangit artists and displays instruments used by them.

Already a volume is prepared for publication on Tagore's songs and notations. The total project of Kalanukramik Rabindra Sangit will be prepared and published time to time by Rabindrasangit Gabeshana Kendra with the support of Visva-Bharati Administration and Granthana Vibhaga.

Museum

Within a short span the Gabeshana Kendra has created a rich museum of resources related to Rabindranath Tagore songs, dances and theatre. This promises to be a source of future research on this subject.

Library

The library dedicated to books and articles Rabindranath's music, dance and drama houses 1800 books.

Archives

Among the archival resources, the major attractions include manuscripts of Mayar Khela including the poet's own corrections and the translations of a few songs of the dance drama.

Audio Visual

The Centre houses 100 Long Playing Discs and records of 100 cultural festivals of Santiniketan.

Any other relevant information:

The Rabindrasangit Gabeshana Kendra made various expressions of academic and research activities through its cultural functions, publication of CDs and books and many of seminars.

Rabindrasangit Gabeshana Kendra successfully displayed three exhibitions during the last year i.e. 2015-16 which were the outcome of deep research works.

It should be mentioned that there are two galleries - one is permanent on Rabindrasangit and History of Sangit-Bhavana and Other is for Research/Occasional display.

We Exhibited for viewers on the topic of tradition of 'Rabindra Nritya and Natya (25th Baisakh 1422 to 21 Shrawana) Chintranga: from Poetry to Dance Drama (22 Shrawan to 1 Pous 1422) and on Dinendranath Tagore: (7 Poush 1423 to till the date) ----- with archival values, unseen thoughts and golden memories of Santiniketan in Tagore's era.

The Exhibition made a remarkable response because of displaying the Historical-Esraj played by Dinendranath himself (received from Sri Supriyo Tagore)

Many Ashramites, Tagore-Experts, Readers, Scholars and Tourists expressed their gratitude for these kind of Exhibitions.

Besides that we started sales counter for interested people where we got positive reaction for the collectors, also.

Rabindrasangit Gabeshana Kendra is looking forward to cultivate Tagore's ideas - creations and inter-relation among them to the Academic & Cultural community of the world.

Research, Scripts and productional Idias according to Gurudev and Santiniketan tradition __created by Rabindrasangit Gabeshana Kendra and performed by Sangit-Bhavana.

Presented Tagore`s Dance Drama 'Chitrangada' at Rabindra-Sadan, Kolkata on 30th May, 2016.

Presented Tagore`s Dance Drama 'Chandalika' at Jadughar Indian Musium, Kolkata on 22nd May, 2016.

Book innaugration of "Rabindra Saptaha Bhashan" on 07.08.2016 at Granthan Bibhaga Stall, Chatak.

One day Seminar on "Rabindranath-O-Germany" at Rabibitan under project of Rabindrasangit Gabeshana Kendra on 17th January, 2017

Directed by Dr Amartya Mukhopadhyay Tagore`s Drama "Taser Desh" performed by Faculty and Students by Sangit-Bhavana, on the occasion of Vasantotsava at Visva-Bharati, Santiniketan organized by Karmi Parishad, Visva-Bharati on 12th March 2017.

**VINAYA-BHAVANA
(INSTITUTE OF EDUCATION)
DEPT. OF EDUCATION**

NAME OF THE STUDENTS QUALIFIED IN UGC / CSIR/ NET/ SLET/ AND GATE EXAMINATIONS

Total No. of JRF- 08, Total No. of UGC- NET (Education)-11

DEPARTMENTAL SEMINAR (SPEAKERS, TITLE OF THE SEMINAR, DATE)

Sr.	Date	Activity	Speaker (s)/Resource Person (s)	Title/Topic
1	April 11-20 2016	ICSSR Sponsored much as 30 10 Day Research Methodology Programme	As much as 30 Distinguish Professors, Academicians & Experts from Indian universities, IDSK, IIT etc. as speakers and Resource Persons in various Sessions	Qualitative Research Methods in Social Sciences (For Ph.D. Scholars)
2	Aug 4-5, 2016	National Workshop on Activity Based Teaching & Learning	Invited Professors and Practicing Experts from Teachers Education Department.	Innovative Primary Education
3	Mar 20-21, 2017	UGC-SAP Sponsored National Seminar	Hon'ble Vice-Chancellor Visva- Bharati	Learning to Live in Harmony Tagorian Wisdom In Education
3	Mar 27-28,	National Workshop on Activity Based Teaching	Invited Professors and Practicing Experts from Teachers Education	Innovative Teacher Education Department

**ONLY NATIONAL AND INTERNATIONAL STANDARD CONFERENCE / SEMINAR/
WORKSHOP/ EXHIBITION ETC. ATTENDED BY TEACHERS / RESEARCH
SCHOLARS IN DETAILS :**

Benudhar Chinara

1. As resource person presented a paper titled, 'Education and Enlightenment' in an ICSSR Sponsored Two Days National Seminar on 'Education, Encouragement and Enlightenment: Perspectives of 3Es' organized by Department of Education, Kazi Nazrul University, Asansol on March 01, 2017.
2. As resource person presented a paper titled, 'Contemporary Trends of Evaluation in Higher Education' in a UGC sponsored Two Days International Seminar on 'Recent Trend in Evaluation' organized by Department of B.Ed., Prabhat Kumar College and Subhash Chandra Basu B.Ed. Training College at Contai on March,17, 2017.
3. As resource person delivered a lecture titled 'Activities in B.Ed. Programme: A Model for Transaction' in Refresher Course in Teacher Education organized by UGC-Human Resource Development Centre and Department of Education, University of Calcutta on March 21, 2017.

4. As resource person delivered two lectures on 'Qualitative Research Methods' in ICSSR sponsored 10-Day Research Methodology Programme for Ph.D. Scholars' organized by Department of Education, Visva-Bharati, Santiniketan during April 10-20, 2017.

Asheesh Srivastava

1. Attended Ten Days Workshop on 'Specialized Course (SC) 1 in Higher Education- University & its Governance' held on 19-30 September, 2016 organized by NUEPA at HRDC- Panjab University, Chandigarh.
2. As resource person delivered a lecture titled, "e-Learning: Context & Psychological Undercurrents" in a National Seminar held on May 25, 2016 organized by N.S. Polytechnic College, Guskara.
3. As resource person delivered a lecture titled "Paradigm Shift in Teaching: Intermingling of Some Creative Ideas" in the 91th & 92nd Orientation Program, UGC-HRDC, Bharathidasan University, Tamilnadu on June 14, 2016.
4. As resource person delivered a lecture titled "Experimental Research" to M.Phil students of Department of Education, University of Calcutta on 29.03.2016.

Shyam Sundar Bairagya

1. Participated and presented a paper titled 'Globalisation and Indian Teacher Education: A SWOC Analysis of the Administration' in the International Conference for Teachers (ICFT) on 'Administration and Management of Educational Institutions in the Global Perspective' organized by Jyotirmoy School of Education under the aegis of The West Bengal University of Teachers' Training, Education Planning and Administration (WBUTTEPA) along with South China Normal University, P.R. China during April, 8-9, 2017.
2. Delivered a lecture as resource person in an International Seminar on 'Quality Education, Cultural Diversity and Multilingualism' organized by Prabharani B.Ed. College, Murshidabad, West Bengal on February 21, 2017.
3. Delivered a lecture as resource person in an International Seminar on 'Women Empowerment: Policy, Challenges and Strategies' organized by Jakir Hossain B.Ed. College, Murshidabad, West Bengal on November 23, 2016.
4. Delivered a lecture as resource person in ICSSR sponsored 10-Day Research Methodology Programme for Ph.D. Scholars' organized by Department of Education, Visva-Bharati, Santiniketan during April 10-20, 2017.
5. Delivered a lecture as resource person in a state West Bengal Govt. Sponsored National Seminar, on "livelihood Challenges and Spatial transformation in India" organized by Department of Geography, Raiganj University, Raiganj, during March 24-25, 2017.

Trishna Banerjee

1. Participated and presented a paper titled "In Search of Wisdom of the Soul: Sant Kabir and his Philosophy of Bhakti" in the 5th World Conference on 'Wisdom Society: Learning to Live Wise', organized by the Department of Education, Vinaya-Bhavana, Visva-Bharati, Santiniketan, during November 25-26, 2016
2. Participated and presented a paper titled "The Quest for Identity and Female Emancipation in the Bhakti Philosophy of Indian Women Saints" in the National Conference on 'Women and

Development', organized by the Department of Lifelong Learning and Extension, REC, Visva-Bharati Santiniketan, during March 17-18, 2017

3. Participated and presented a paper entitled "Yatra Visvam Bhabatyeka Nidam: The Idea of the Universal in Rabindranath Tagore's Philosophy of Education" in the National Seminar on 'Learning to Live in Harmony: Advancing Tagorean Wisdom in Education', organized by the Department of Education, Vinaya-Bhavana, Visva-Bharati, Santiniketan, on March 20-21, 2017.
4. Organized a musical drama titled, "Khanchar Pakhi" by the students of the Department of Education, Vinaya-Bhavana at the Akashbani Bhavan, Santiniketan which was broadcasted on March 12, 2017.
5. Organized a musical drama titled, "Khanchar Pakhi" by the students of the Department of Education, Vinaya-Bhavana at the Doordarshan Kendra, Santiniketan which was broadcasted on May 28, 2017.

Sanat Kumar Rath

- 1 Participated in International Workshop on Gaudiya Vaishnavism during July 19-26, 2016, Organized by Department of Sanskrit, Visva-Bharati, Santiniketan.
- 2 Participated and presented a paper titled 'Tagore's Take on Sustainability with Reference to His Twin Dreams' in National Seminar on 'Learning to Live in Harmony: Advancing Tagorean Wisdom in Education' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,, Santiniketan, during March 20-21, 2017.
- 3 Participated and chaired a session on the theme Tagore on Nationalism in the National Seminar on 'Learning to Live in Harmony: Advancing Tagorean Wisdom in Education' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,, Santiniketan, during March 20-21, 2017.
- 4 Participated and presented a paper on "Management of Environment for Sustainable Development: Some Issues, Concerns and Challenges " In a National Seminar on 4th December 2016 organized by Department of Animal Science, PalliSiksha Bhavana , Visva-Bharati, Santiniketan.
- 5 Participated as resource person in a National Seminar during March 29-30, 2017 organized By Sri Jagannath Sanskrit Visvavidyala-Puri, Odisha.
- 6 Participated and presented a paper titled as 'Inclusion Education: The Cases of Transgender Devika and Damini' in 5th World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati, Santiniketan, during November 25-26, 2016.
- 7 Participated and chaired a session in 5th World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati, Santiniketan, India during November 25-26, 2016.

Prohlad Roy

- 1 Participated and presented a paper on "Lokosiksha Samsad And Rabindranath Tagore" " In UGC(SAP) sponsored National Seminar on March 20, 2017 organized by Department of Education ,Vinaya-Bhavana, Visva-Bharati, Santiniketan.
- 2 As resource person delivered a lecture on "Religious Education Need & Relevance In Contemporary Issues" in 'International Conference on Integration of Disciplines: Science,

Society, Information and Humanities' organized by South Asia Management Association, Chapter - Bangkok, Thailand.

- 3 As resource person delivered a lecture on "Rabindranath Tagore And Disaster Management" organized by Asian Institute of Technology, Pathumthani, Bangkok, Thailand on October 12, 2016.
- 4 As a resource person delivered a lecture on "Rabindranath Tagore And Higher Education" organized by Jabalpur Management Association on November 12, 2016 .
- 5 As a resource person delivered a lecture on "Rabindranath Tagore and Religion of Man" organized by Manabio Seba Mancha, Cooch Behar, West Bengal on January 15, 2017.
- 6 As a resource person delivered a lecture on "Folk Education and Rabindranath Tagore" in UGC sponsored National Seminar organized by Department Of Folklore, University of Kalyani on January 25, 2017.
- 7 As a resource person delivered a lecture on "Lodha Tribe In West Bengal and Jharkhand: Study on Culture, Education And Issues" in UGC sponsored National Seminar organized by Department of Geography, Saheed Kshudiram College, Alipurduar, West Bengal on February 17, 2017.
- 8 As a resource person delivered a lecture on "Relevance of Dr. B. R. Ambedkar's Vision And Mission : Present Scenario" In UGC Sponsored National Seminar organized by Abhedananda Mahavidyalaya, Sainthia, B.U. on March 10, 2017.
- 9 As a resource person delivered a lecture on "Human Rights of Women In Contemporary India: Issues And Challenges" In UGC sponsored National Seminar organized by Hooghly Women's College, B.U. on March 22, 2017.
- 10 As a resource person delivered a lecture on "Sister Nivedita And Modern India" In UGC & IQAC Sponsored National Seminar on 23 March 2017 organized by Pandabeswar College, KaziNajrul University, Churulia .
1. Attended Seven Days National Level Faculty Development Programme on "In Pursuit Of Excellence In Higher Education" organized by Jabalpur Management Association during April 28 -- May 4, 2016.
2. Attended Seven Days Orientation Programme on "Rabindranath Tagore And His Myriad Creativity" organized by Rabindra Bhavana, Visva-Bharati, Santiniketan, during March 19-26,, 2017.

Partha Pratim Sikdar

1. Acted as a resource person in a two-day National Workshop on Activity Based Teaching & Learning: Innovative Primary Education Initiatives 4th & 5th August, 2016 organized by Department of Education, Visva-Bharati, Santiniketan
2. Presentation by NANDAN SANTINIKETAN (me as member) in an 'Exhibition of Paintings & Sculptures' organized by Academy of Fine Arts, Kolkata during September 22-29, 2016..
3. Participated in GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati, Santiniketan, from during November 25-26, 2016.
4. As a Convener organized a 'Workshop-Cum Exhibition, Learning To Work: Hands-On-Experience For Sustainable Development' under University Grants Commission Special Assistance Programme (SAP) at the Department of Education, Visva-Bharati, Santiniketan during March 30-31, 2017.

5. Participated in a National Seminar on 'Learning to Live in Harmony: Advancing Tagorean Wisdom in Education' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,,Santiniketan, during March 20-21, 2017.

Sarita Anand

1. Participated and presented a paper titled 'Green ICT: Awareness for Sustainable Development' in a National Symposium on 'Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)' organized by Department of Animal Science, Palli- Siksha Bhavana, Visva-Bharati, Sriniketan on December 4, 2016.
2. Participated in 'Workshop on Data Analysis by using SPSS' organized by Department of Physical Education, Vinaya-Bhavana, Visva-Bharati, Santiniketan, during February 4-5, 2017.
3. Participated in 'National Workshop on Counselling' organized by office of the Director-PSNS, Visva-Bharati, Santiniketan during February 9-11, 2017.
4. Participated and presented a paper titled 'Quality Concerns in Education: Professional Competencies for Teacher Educators' in National Seminar on 'Education, Encouragement & Enlightenment: Perspective of 3E's' organized by Department of Education, KaziNazrul University, Asansol, W.B. during March 1-2, 2017.
5. Participated and presented a paper titled 'Culture , Tradition & Peace Building: A case Study of Banaras' in National Seminar on 'Contextualizing Conflict, Its resolution and Peace Building Initiatives in India' organized by Department of Social Work, Visva-Bharati, Sriniketan during March 4-5, 2017.
6. Participated and presented a paper entitled 'Women towards Development: Work Life Balance of Female Teacher's in National Conference on 'Women & Development' organized by Department of Lifelong Learning and Extension (REC), Palli Samgathana Vibhaga, Visva- Bharati, Sriniketan during March 17-18, 2017.
7. Participated and presented a paper entitled 'Tagorian Wisdom: Learning to live in Harmony with People' in National Seminar on 'Learning to Live in Harmony: Advancing Tagorean Wisdom in Education' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,, Santiniketan, during March 20-21, 2017.
8. Organized as a Convener of two-day National Workshop on 'Activity Based Teaching & Learning: Innovative Primary Education Initiatives' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,, Santiniketan, during August 4-5, 2016.
9. Organized as a Convener of two-day National Workshop on 'Activity Based Teaching & Learning: Innovative Teacher Education Initiatives' organized by Department of Education, Vinaya-Bhavana, Visva-Bharati,, Santiniketan, during March 27-28, 2017.
10. Participated in Three Months 'Yoga & Meditation Practice Camp' organized by office of the Director-PSNS, Visva-Bharati, Santiniketan during 07.11.2016 to 07.02.2017.

Mohammad Shaheer Siddiqui

1. Participated and presented a paper on 'Voice of Agony in the Spiritual Spark: Feminist Mysticism, Contemporary Society and Spiritual Intimacy' at the International Conference organized by Indian Institute of Advanced Study, Shimla on the theme 'Intimacy and Belongingness in Contemporary India' during April 4-6, 2016.

2. Participated and presented a paper on 'Die Before You Die! Sufi Wisdom through the Heart of Rumi' at the 5th World Conference EDUCON-2016 organized by GERA and Department of Education Visva-Bharati, Santiniketan during November 25-26, 2016
3. Participated and presented a paper on 'QadAflaha Man Zakkaha: The Epistemology of Islam at the India International Islamic Conference organized by Students Islamic Organization of India at New Delhi ' during October 8-9, 2016
4. Participated and presented a paper on 'Sufi Contributions to the Intellectual Culture of Islam in India: Awarif-ul-Maa'rif and Other Sufi Writings' at the National Seminar organized by India-Arab Cultural Centre, Jamia Millia Islamia, New Delhi during December 15-16, 2016
5. Participated in National Workshop on Counselling organized by Office of the Director PSNS, Visva-Bharati, Santiniketan' during 14-15 March and 29-11 February 2017
6. As Course Director organized ICSSR sponsored 'Ten Days Research Methodology Course for Ph.D. Students' on 'Qualitative Research Methods' during April 11-20, 2016.

Sharmila Yadav

- 1 Participated and presented a paper titled 'Teacher Education For Inclusion: Issues, Challenges and Possible Solution' in NAAC sponsored National Seminar on 'Innovations and Quality Enhancement of Teacher Education for Nation Building' organised by Rao Abhay Singh P.G. College of Education, Saharanwas, Rewari (Haryana) during April 2-3, 2016.
- 2 Participated and presented a paper titled 'Inclusion of Children with Special Needs an Important Aspect of Wisdom Society' in 5th World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati, Santiniketan during November 25-26,, 2016.
- 3 Participated and presented a paper titled 'Role of Women in Agriculture: Practical Ways to Enhance Development' in National Symposium on 'Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)' organised by the Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan on December 4, ,2016.
- 4 Participated in two-day Workshop on 'Organising Research with Reference Management Tools' organized by Visva-Bharati Library Network, Visva-Bharati, held at Conference Hall, Central Library, Visva-Bharati during November 28-29, 2016.
- 5 Participated in '2nd Refresher Course in Education' (UGC Sponsored) organised by UGC Human Resource Development Centre, The University of Burdwan, Burdwan from December 10, 2016 to December 30, 2016.
- 6 Delivered an extra mural lecture on 'Instances of Peer Pressure, Ways Adopted by the Students to Face or Cope Up with Unfavourable Situations: Harmful Consequences for the Students at Tagore Institute of Art & Education, Banavilla, Birbhum, West Bengal on September 11, 2016.
- 7 Delivered an extra mural lecture on 'National Initiatives for Inclusive Education' at Tagore Institute of Art & Education, Banavilla, Birbhum, West Bengal on November 10, 2016.
- 8 As Organising Secretary organised a two-day National Workshop on 'Activity Based Teaching & Learning: Innovative Primary Education Initiatives' in Department of Education, Vinaya-Bhavana, Visva-Bharati, Santiniketan during August 4-5, 2016.

Umakant Prasad

1. Presented a paper titled 'Inclusion of Children with Disabilities: Issues, Concerns and Challenges' in International Conference on 'Wisdom Society: Learning to Live Wise' organized by Department of Education, Visva-Bharati, Santiniketan during November 25-26, 2016.
2. Presented a paper titled 'Management of Environment for Sustainable Development' in National Seminar on 'Recent Trends in Agriculture and Allied Sciences for Better Tomorrow' organized by Department of Animal Science, Visva-Bharati, Sriniketan on December 4, 2016.
3. Presented a paper titled 'Inclusive Education: The way to welcome diversity among all Learners' in International Seminar on 'Quality Education, Cultural Diversity and Multilingualism' organized by Prabharani B.Ed. College, Berhampore, Murshidabad on February 21, 2017.
4. Presented a paper titled 'Quality Concerns in Education: Professional Competencies for Teacher Educators' in National Seminar on 'Education, Encouragement & Enlightenment: Perspective of 3E's' organized by Department of Education, Kazi Nazrul University, Asansol during March 1-2, 2017.
5. Presented a paper titled 'Role of Education in Peace-Building' in National Seminar on 'Contextualising Conflict, its Resolution and Peace Building Initiatives in India' organized by Department of Social Work, Visva-Bharati, Santiniketan during March 4-5, 2017.
6. Presented a paper titled 'Inclusion of Children and Youth with Disabilities: The Way to Meet Their Learning Needs in Regular Classroom' in International organized by Inter Quality Assurance Cell of Government Training College, Hooghly on March 17, 2017.
7. Presented a paper titled 'Education as the Fullest Growth, Freedom of Mind, Peace and Universal Love' in National Seminar on 'Learning to Live Harmony: Advancing Tagorean Wisdom in Education' organized by Department of Education, Visva-Bharati, Santiniketan during March 20-21, 2017.
8. As Co-convener and Treasurer organized two-day National Workshop entitled 'Activity Based Teaching and Learning: Innovative Primary Education Initiatives' in the Department of Education, Vinaya-Bhavana, Visva-Bharati during August 4-5, 2016.
9. Attended Two-Day National Workshop on 'Organising Research with Reference Management Tools' organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan during 28-29 November, 2016.
10. Attended Three-Day National Workshop on 'Counselling' organized by Office of the Director-PSNS, Visva-Bharati, Santiniketan during February 09-11, 2017.

Prosenjit Saha

- 1 Participated and presented a paper titled 'Ideas of Rabindranath Tagore on Co-Operative Principle for Rural Reconstruction' in a National Seminar on 'Learning To Live In Harmony: Advancing Tagorean Wisdom In Education.' organized by Department of Education, Visva-Bharati, Santiniketan during March 20-21, 2017.
- 2 Participated in a 'Workshop on 'Data Analysis By Using SPSS' organised by Department of Physical Education, Vinaya-Bhavana, Visva-Bharati during February 4-5, 2017
- 3 Participated and presented with research scholar a paper titled 'Indegenous Practices of Tribals And Agricultural Resources in 5th World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati, Santiniketan,

India during November 25-26, 2016.

Soumi Mondal

- 1 Participated and presented a paper titled "Children's Literature: A study on mediated communication in language classroom" in 'World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati during November 25-26, 2016.
- 2 Participated and presented a paper titled "Resilience in conflict resolution: A study on socio-economically disadvantaged group children of Odisha" in National Seminar on 'Contextualizing conflict, its resolution and peace building initiatives in India' organized by Department of Social Work, Visva-Bharati during March 4-5, 2017.
- 3 Participated and presented a paper titled "Tagore's perspective on language learning: A Multilingual approach" in National Seminar on 'Learning to live in harmony: Advancing Tagorean wisdom in education' organized by Vinaya-Bhavana, Visva-Bharati during March 20-21, 2017.
- 4 Participated in UGC sponsored National Workshop on 'Counseling' organized by PSNS, Visva-Bharati, Santiniketan, during February 09-11, 2017
- 5 As a cultural secretary organized cultural activities in two days 'World Conference of GERA on EDUCON-2016 'Wisdom Society: Learning to Live Wise' organized by Vinaya-Bhavana, Visva-Bharati during November 25.26, 2017.
1. As a cultural secretary organized cultural activities in two days 'National Seminar on Learning to live in harmony: Advancing Tagorean wisdom in education' organized by Vinaya-Bhavana, Visva-Bharati during March 20-21, 2017.
- 1 Attended 'Interdisciplinary: 95th Orientation Course' organised by H.R.D.C. UGC Academic Staff College, University of Hyderabad, Hyderabad from August 11 to September 07, 2016.

Shilpi Ghosh

- 1 Participated and presented a paper titled 'Visual-Motor Perception Of The Students Suffering From Congenital Heart Defects' in International Conference on 'Oxford Education Research Symposium' organized by University of Oxford, Oxford, United Kingdom during Month 20-22, 2017.
- 2 As resource person delivered lecture on 'Review of Literature and Reference Writing' to M.Phil students, Department of Education, University of Calcutta on April 18, 2016.
- 3 As Resource Person delivered lecture titled 'Sampling' to M.A. in Education Students of the Department of Education, University of Calcutta on April 19, 2016.
4. ONGOING RESEARCH PROJECTS IN THE DEPARTMENT : Special Assistance Programme (SAP) by UGC, New Delhi
EXTENSION ACTIVITIES / NSS/ CULTURAL & OTHER ACTIVITIES ORGANISED BY THE DEPARTMENT AND PARTICIPATED BY THE TEACHERS AND STUDENTS OF THE DEPARTMENT
ACADEMIC DISTINCTIONS GAINED BY TEACHERS / SCHOLARS OR THE DEPARTMENT AS A WHOLE (LIKE RECOGNITION AS D.S.A. OR C.A.S. ETC.):
NIL

PUBLICATIONS:

Benudhar Chinara

1. Chinara, B.D. & Badakshan, K. (2016), Curriculum Transaction during Teaching of English in Indian Schools. In G. J. Vitus and C. Praveen (ed.) Conference Proceedings of Annual Cum International Conference of All India Association for Educational Research (AIAER) INTCONF 2015, Department of Education, University of Kerala. June 2016, pp.58-68, ISBN: 978-81-931058-5-6

Asheesh Srivastava

1. Srivastava, A. Facilitating Learning: Creating Conducive Learning Environment, NIOS.
2. Srivastava, A. Issues & Concerns in Secondary Education: Equity & Equality in Education, IGNOU.
3. Srivastava, A. Learning & Teaching: Learner as an Individual-I, IGNOU.
4. G. K, Subhajt & Srivastava, A. Investigating the role of MOOC in Globalization of Higher Education, Higher Education: Issues & Concerns, ISBN 978-93-85502-12-5.
5. G. K, Subhajt & Srivastava, A. Inclusion of ICT in Higher Education Curriculum: A Prospering Scenario, Education & Development/ Arpan Publications, Delhi, ISBN 978-93-82135-96-8.
6. K. Prabhat & Srivastava, A. Samagra Manavke Nirmaanmeinsikshak-chhatraanupatkibhumika: Krishnamurtitatha Tagore ke Sandarbhitvicharonki Prasangigkta, 2016.
7. K. Prabhat & Srivastava, A., Ghar se Vidyalayatak Srijanke Anandmein Badhak Mata-Pita tatha Sikshakkiapne UtardayitvaaurApradhbodh se Anbhigyata, 2016.

Shyam Sundar Bairagya

1. Das, S. & Bairagya, S., Identification of Learning Gaps in Bengali among the Students of Primary Level and Evolving a Strategy for Effective Transaction of Curriculum, 2017, Online International Interdisciplinary Research Journal, Volume-VII, January Special Issue, pp. 108-113, ISSN 2249-9598

Trishna Banerjee

1. Banerjee, T. 2017. Madhyajugio Bharatbarshe Bhakti Andolan O Bhajan Sangit. Kolkata: Parampara. ISBN: 978-93-80869-31-3

Prohlad Roy

1. Book titled 'Dr. B.R. Ambedkarer Jatiya Samhati Bhabnay Siksha O Samaje Samrakshan'. Laxmi Book Publication, Maharashtra, 14th April 2016. ISBN 978-1-312-75997-8
- 1 'Teacher Education In India and U.K.: Comparative Problem and Prospect'. Brahma Gyan Research Analysis, 2 (1), September, 2016. Impact Factor 1.6644 (Gif). ISSN 2454-9320
- 2 'The Revelation of Work Education in Visva-Bharati: Past and Present'. Universe of Knowledge Research Analysis, 2 (1), November, 2016. Impact Factor 1.0934 (Gif). ISSN 2454-7689.
- 3 'Dr.B. R. Ambedkar - Champion of Women's Education and Rights In India'. North Asian International Research Journal of Social Science & Humanities, 2(11), November, 2016. ISSN 2454-9827.
- 4 'Boat School And It's Educational Importance In Present Day'. North Asian International Research Journal of Multidisciplinary, 2 (12), December, 2016. ISSN 2454-2326

Mohammad Shaheer Siddiqui

1. Siddiqui. M.S & Ghosh. S.(2016) Iconic Kalam: An Anthology of thoughts and Practices New Delhi: New Delhi Publishers ISBN: 978-93-85502-22-4
1. Serenity of Sufi Srmons: Mystical Morals From the Allegory of Animals. In J. Mete, & S. Ghosh (ed.) (2017), 'Environmental Education in India: Through the Ages' New Delhi Publishers, ISBN 978-93-85503-68-9.
2. Educational Empowerment of Muslim Girls: Some Reflections in the Context of West Bengal, published. Indian Journal of Educational Research, Vol. V, March-April, 2016. ISSN 2277-3819 (Peer Reviewed).

Sharmila Yadav

- 1 Article Entitled as ' Shifting to Sustainable Lifestyles: An Urgent Need for Achieving Sustainable Development' Published in Book on 'Human Development and Sustainability: Challenges and Strategies' Edited by Asok Kumar Sarkar,Prasanta Kumar Ghosh, (2017), Published by: Atlantic Publishers & Distributors (P) Ltd, 7/22,Ansari Road, Darya Ganj, New Delhi-110002; ISBN:978-81-269-2307-6.
- 2 Article Entitled as 'Education For All: Major Issues, Challenges and Possible Strategies for Children with Special Needs' Published in Book on 'Education and Development' Edited by Dr.Sujit Kumar Paul, (2017), Published by: Arpan Publications, 4831/24, Prahiad Street, Ansari Road, Darya Ganj, New Delhi-110002; ISBN:978-93-82135-96-8.

Prosenjit Saha

Article entitled, 'Political Participation Of Women In RuralBirbhum: A Study Of Scope And Challenges', 2017, Human Development And Sustainability: Challenges And Strategies (Edited Volume) ISBN :978-81-269-2307-6, Page-157-171

Umakant Prasad

Prasad, U. (2016). Teaching Learning Strategies and Social Educational Provisions for Children with Special Needs, Journal of Knowledge, Vol. 4, No. 11, Pages 42-47,ISSN: 2321-791X.

Soumi Mandal

1. Mandal, S. (2017). Multilingual Classroom as a Socio-Cultural Approach in Language Learning, In Singh, S. K (Ed.), Ways with Language. (pp305-324). Lakshi Publication: New Delhi. ISBN: 978-93-82120-99-5
1. Mandal, S. (2016). Socio-Cultural perspective on Second Language acquisition. Language Technology: Bhasha-Praudhyogiki (Online Journal), www.hinditech.in. Page (2/7-7/7). ISSN: 2231-4989.
2. Mandal, S. (2016). Colonial ideology: A lens for critical understanding of education system. Gyanodaya: The journal of progressive Education, (December-June) 2016. Page (42-51). ISSN: 0974-1801.
3. Mandal, S. (2016). Analogous study of English Linguistic Knowledge of Oriya speaking children between Monolingual and Bi-Lingual situations. International Journal of English Language, Literature and Humanities (IJELLH), Vol IV, Issue V, May 2016. Page (115-127). ISSN: 2321-7065.

4. Mandal, S. (2016). Understanding Dalit Literature: An Alternative Research Methodology. Dalit Asmita. Vol 25, Year No 6, Oct-Dec 2016. Page (124-129). ISSN: 2278-8077.
5. Mandal, S. (2017). Media texts: A study on mediated communication in language classroom. Gyanodaya: The journal of progressive Education, (On press) 2017. ISSN: 0974-1801

DESIGNING NEW COURSE/CURRICULUM OR ANY OTHER TEACHING INNOVATIONS INTRODUCED BY THE DEPARTMENT

Department of Education introduced revised Curriculum of Two-Year M. A. (Education) Programme. Some new initiations such as Classes for Communicative English for the Students studying in various programmes and Hands-on experience & Computer Aided Teaching/Learning (CAI/CAL) in Wi-Fi enabled ICT Laboratory have also been taken.

A BRIEF HISTORY OF THE DEPARTMENT WITH AN INDICATION OF THE FUTURE PLANS FOR DEVELOPMENT

The genesis of the Department of Education, Vinaya-Bhavana dates back to 1948 as a craft oriented teacher training institution. Right from its inception it has been mandated to make a Praxis of Education by bridging the gap between theory and practice. Orientation and Training of teachers, initially of craft and afterwards of secondary and master level teachers, have been its prime concern. With the passage of time and in keeping pace with the contemporary demands, the Department has relentlessly worked and added feathers to its cap by adding professional teacher education programmes like B.Ed. and M.Ed. and liberal stream of M.A. (Education) Programme. Doctoral level research programme is gaining momentum in the Department. Its esteemed faculty members have made their remarkable contributions towards formulation of Curriculum Frameworks of NCTE and Model Curriculum of UGC. Innovations in pedagogy and curriculum, inspired by Tagorian philosophy of Creativity and Freedom, have always got a centre stage in the scheme of quality education in the Department. The fruit of education, as Gurudev wanted, was not to be confined in the ivory towers / campuses of Universities but to be of use and service to the society. The Department, being true to its spirit, has always been community centred. It has got a rich experience and heritage of teacher training and innovative methods and modalities of curriculum transaction. The credential of the Department in terms of its teacher training has not only been recognized by the Government of West Bengal, by giving preference in the recruitment of teachers, but across the country by way of appreciation of its products. The extension wing of the Department organizes various in-service programmes from time to time for the benefit of Head masters and teachers of secondary schools.

ANY OTHER RELEVANT INFORMATION, WHICH IN THE OPINION OF THE HEAD OF THE DEPARTMENT IS WORTH REPORTING SHOULD BE INCLUDED :

The Department had proposed earlier in the XI Plan for establishment an Academic Staff College which was duly appreciated by the visiting team of UGC. Visva-Bharati with its rich cultural heritage and academic eminence is undoubtedly a fit place and good host for the Academic Staff College. Given the experience of teacher training since 1948, the Department of Education reiterates for the same once again and place its claim to initiate the process of founding and housing the proposed Academic Staff College under the Department of Education.

DEPARTMENT OF PHYSICAL EDUCATION

Sagarika Bandhyopadhyay

Conference/Seminars:

- a. Resource person and Speaker in the National Seminar on "Issues and Challenges in Physical Education and Sports Sciences" organized by the Department of Physical Education, Vinaya-Bhavana, Visva-Bharati on June 25th and 26th, 2016.
- b. Chairperson in the Scientific session of the National Seminar on "Nutrition and Wellness" organized by the Physical Education Unit, Palli Siksha Bhavana, Visva-Bharati on November 7th and 8th, 2016
- c. Chairperson in the Scientific Session VII in the National Seminar on "Issues and Challenges in Physical Education and Sports Sciences" organized by the Department of Physical Education, Vinaya-Bhavana, Visva-Bharati on June 25th and 26th, 2016.
6. Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department
7. Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)
 - a. External Member of the Research Committee in Physical Education, Utkal University, Bhubaneswar, Odisha
 - b. External Member of the Research Committee in Physical Education, F.M. University, Balasore, Odisha
 - c. Associate Editor, International Journal of Physical Education, Sports and Health, P-ISSN Number: 2394-1685; ; E-ISSN Number: 2394-1693; CODEN Number: IJPEJB; Impact Factor (ISRA): 4.69

Publications within the year April 2016 - March 2017

Publication of Research Papers in International Journals (UGC Listed)

- a. Arup Gayen and Sagarika Bandyopadhyay, "Correlational Study of Gross Efficiency and Morphologic Parameters of Mid Age Obese Men" Global Journal for Research Analysis, ISSN No. 2277-8160 -A Peer Reviewed, Referred and Indexed International Journal DOI: 10.15373/22778160, Impact factor: 3.62, Volume 5, Issue: 6, June 2016, pp.7-11.
- b. Shekhar Mondal, Sagarika Bandyopadhyay "A Comparative Study on Selected Physical Fitness Components between Bangladeshi Primary School Going Boys and Girls" ; International Journal of
- c. Health Physical Education and Computer Science in Sports; A Peer Reviewed (Referred) International Research Journal, ISSN 2231-3265, Volume - 22 No. 1, April 2016 to June 2016, pp. 5-9.
- d. Arup Gayen and Sagarika Bandyopadhyay, "Gross Efficiency of Mid Age Obese and Non-Obese Men" Paripex- Indian Journal of Research, ISSN No. 2250-1991-A Peer Reviewed, Referred and Indexed International Journal DOI: 10.15373/22501991, Impact factor: 5.215, Volume 5, Issue: 6, June 2016, pp.24-25
- e. Sankarson Pal, Sagarika Bandyopadhyay, Arup Gayen "Body Composition, Body Girth and Bony Breadth of Rural School Going Girls - A Correlational Study"; Paripex - Indian Journal of

Samiran Mondal

Conference/Seminar:

Seminar 2016-2017

1. Seminar Director; National Seminar on Issues and Challenges in Physical Education and Sports Sciences, jointly organized by Department of Physical Education, Vinaya Bhavana, Visva-Bharati, Santiniketan, West Bengal and Alumni Committee, Department of Physical Education, Vinaya Bhavana on 25 & 26 June, 2016.

Publications within the year April 2016 - March 2017

1. Bhagat, B. K., Patar, S., & Mondal, S. (2016). Enhancement of Brain Functions During Aging Through Various Exercises: a Review Study. *European Journal of Physical Education and Sports*, 13(3), 79-88. DOI: 10.13187/ejpe.2016.13.79
2. De, Anup., & Mondal, S. (2016). Enhancement of Brain Functions During Aging Through Various Exercises: a Review Study. Improvement of Brain Function through Combined Yogic Intervention, Meditation and Pranayama: A Critical Analysis. *European Journal of Physical Education and Sports*, 13(3), 89-96. DOI: 10.13187/ejpe.2016.13.89
3. Roy, B., & Mondal, S. (2016). Vyayama culture in ancient India. *International Journal of Physical Education, Sports and Health*, 3(6), 332-333
4. Patar, S., & Mondal, S. (2016). Stretching Exercise Enhance Cognitive Function. *Indian Journal of Basic and Applied Medical Research*, 6(2), 682-691

Mahesh Sawata Khetmalis

Publications within the year April 2016 - March 2017

- ii) Other books, iv) Research Papers. (Author(s), title of Paper, year Journal volume No., Pages), (v) Number of paper published in Peer/reviewed journals: National/International.

Publication Research Paper:

1. SCHOLARS WORLD - INTERNATIONAL REFEREED MULTIDISCIPLINARY JOURNAL OF CONTEMPORARY RESEARCH, Online ISSN: 2320-3145, Print ISSN: 2319-5789 www.irmjcr.scholarsworld Special Issue (Physical & Sports Sciences) April 2016 [13] Self Esteem Among the Students of Teacher Education Programs Dr. Mahesh Sawata Khetmalis1, Mr. Prasanta Kumar Bhunia2
2. SCHOLARS WORLD - INTERNATIONAL REFEREED MULTIDISCIPLINARY JOURNAL OF CONTEMPORARY RESEARCH Online ISSN: 2320-3145, Print ISSN: 2319-5789 www.irmjcr.scholarsworld Special Issue (Physical & Sports Sciences) April 2016 [32] A Study of Creativity among the Trainees of Teacher Training Programs Dr. Mahesh Sawata Khetmalis1, Mr. Prasanta Kumar Bhunia2
3. IRA-International Journal of Education & Multidisciplinary Studies ISSN 2455-2526; Vol.05, Issue 03 (2016) Pg. no. 140-146 Institute of Research Advances <http://research-advances.org/index.php/IJEMS> A Comparative Study of Anthropometric and Psycho-Motor Abilities of Sub-Junior National Level Boxers 1 Sumitra Kirtania, 2 Pintulal Mondal and 3 Dr. Mahesh Sawata Khetmalis Books.
4. Mahesh Sawata Khetmalis, Superstitions behaviour and personality characteristics in sports, Lambert Academic Publishing, 978-3-659-88548-8.

5. Mahesh Sawata Khetmalis, Rahul RajanBhosale, Development of normsfor selection of senior volleyball players normative study, LambertAcademic Publishing, 978-3-659-89761-0
6. Joydeb Das Mahesh Sawata Khetmalis, Locus Of Control AndInterpersonal Relationship In Sports: A Study, Lambert AcademicPublishing, 978-3-659-95558-7

Avijit Thander

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.

Conference/Seminars:

- d. Presented Paper on TRUTHS AND MYTHS OF CLASSIFICATION OF BOWLING ACTIONS IN CRICKET and act as Co-chairperson in National Seminar on "Nutrition and Wellness" organized by the Physical Education Unit, PSB, Visva-Bharati, 7th & 8th Nov, 2016
- e. Presented Paper on A qualitative analysis of pace bowling technique at front foot landing in Cricket and act as Co-chairperson in National Seminar on "Issues and challenges in Physical Education and Sports Sciences" organized by the Department of Physical Education, Vinaya Bhavana, Visva-Bharati, 25thand 26thJune, 2016.

Workshop:

- a. Attended three hours' workshop on Knee & Spine (Back)-prehab& conditioning on 13th November, 2016 organised by BFY Organisation, Kolkata Branch.
- b. Attended National Workshop on Counsellingorganised by Office of the Director, PSNS, Visva-Bharati from 09 to 11th February, 2017.
6. Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.
 - a) Act as Director of Annual Leadership Camp, 2017
 - b) Renominated as Company Commander, NCC, Visva-Bharati (REG/156/126 dt. 02.01.2017)
 - c) Appointed as Teacher-Warden of Santishree Boys' Hostel (Estab/E-I/AOTW/2016-17/12 dt 6.12.16)
 - d) Arranged the Exhibition Stall of the Department of Physical Education and NCC at Poushmela-2016
7. Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)
 - a. Promoted from Assistant Professor (Stage-1), Pay Band of Rs. 15600-39100 + AGP Rs. 6000 to Assistant Professor (Stage-2), Pay Band of Rs. 15600-39100 + AGP Rs. 7000 Under Career Advancement Scheme (CAS) of UGC- Regulations 2010.

Publications within the year April 2016 - March 2017

Paper publication in Peer/reviewed journals (UGC Listed)

- a. Bowling Speed in Relation to selected kinematic Variables of Pace Bowlers in Cricket. March, 2017, WBCIPE Journal, ISSN: 2348-0777, 3 (1), 6-9
- b. Analysis of Sports Competition Anxiety between Male Judokas and Karate Fighters. June, 2016, IJSR - International Journal of Scientific Research, ISSN : 2277-8179, IF: 3.508, 5(6), 242-243.

Sentu Mitra

1. Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.
- i. Acted as the Co-Chairperson in a scientific session at National Seminar on National Seminar on Nutrition and Wellness organized by the Unit of Physical Education, Palli Siksha Bhavana, Visva-Bharati, Santiniketan at PSB, Visva-Bharati, Santiniketan on 7-8 November, 2016.
- ii. Acted as the Co-Chairperson in a scientific session at National Seminar on Issues and Challenges in Physical Education and Sports Sciences jointly organized by Department of Physical Education and Alumni Committee, Vinaya Bhavana, Visva-Bharati, Santiniketan at the Department of Physical Education, Vinaya Bhavana, Visva-Bharati, Santiniketan on 25-26 June, 2016.

Ongoing Research Projects in the Department: Nil

- i. Name of the Teacher
- ii. Name of the Project
- iii. Sponsoring Agencies
- iv. Amount Sanctioned

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department

- i. Acted as the Director of Intramural programme of the department of Physical Education, Vinaya Bhavana, Visva-Bharati for the Year 2016-17
- ii. Acted as the Director of Programme in the Annual Leadership Training Camp of Department of Physical Education, Vinaya Bhavana, Visva-Bharati for the Year 2016-17.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)-Nil**Publications within the year April 2016 - March 2017**

- i. Shiv Kumar Diswar, Swati Choudhary and Dr. Sentu Mitra (2016). Comparative effect of SAQ and circuit training programme on selected physical fitness variables of school level basketball players. International Journal of Physical Education, Sports and Health. 3(5) 247-250P-ISSN: 2394-1685 E-ISSN: 2394-1693 Impact Factor (ISRA): 5.38
- ii. Shiv Kumar Diswar, Dr. Sentu Mitra and MohitKumar(2017) Blood Glucose Level for School Hockey Players Before and After Competitive Match. INTERNATIONAL JOURNAL OF PHYSICAL EDUCATION AND APPLIED EXERCISE SCIENCES. 2(2)Pp.11-15 ISSN: 2394-9953
- iii. Kumar S, Singh NS & Mitra S (2016). Comparison of mental toughness between male and female volleyball players of 12th south Asian games. International Journal of Applied Research. 2(6): 268-270, ISSN Print: 2394-7500, Online: 2394-5869
- iv. Das MK & Mitra S (May 2016). Comparative Analysis on the Selected Motor Fitness Variables between Batsman and Bowlers in Cricket. Paripex - Indian Journal of Research. 5(5): 18-19. ISSN:2250-1991.
- v. Sarkar S & Mitra S. (May 2016). Comparative Analysis on Selected Motor Fitness Components of Physical Education Students between General College and Training College. Global Journal for Research Analysis.5(5). ISSN: 2277-8160.

PALLI SAMGATHANA VIBHAG
Department of Lifelong Learning and Extension
(Rural Extension Centre)

INTRODUCTION :-

In the History of Rural Development Programmes in India, Rabindranath Tagore is known as a pioneer for his Sriniketan Experiment on Rural Reconstruction initiated in 1922, with the ideal "to bring back life in its completeness into the villages making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions". This long-standing tradition of extension work at Sriniketan has enabled us to fit new programme of Rural Education and Extension into its existing frame of work more easily.

In the modern context of emerging institutions and thrust in development, rural India is witnessing exciting changes in terms of peoples' articulation of new demands, gender assertiveness, environment consciousness and grass root movements. Simultaneously, rural development and its problems are assuming greater complexities due to the emerging socio-political scenario in India. Envisaging this emerging situation, the Department of Lifelong Learning & Extension (Rural Extension Centre) has reorganized its activities and adopted an integrated approach in connection with its work in three vital areas of development viz. Teaching, Research, Extension & field outreach activities.

Teaching & Research Programme:

- I. Two year post graduate degree course on M. A in Rural Management.
- II. A Short term courses on 1) Diploma in Horticulture (DH) 2) Diploma in Rural Tourism (DRT) under Community College Programme.
- III. Offering regular Ph.D Programme.
- IV. Regular research programme funded by various funding agencies.

Extension & Field outreach activities:

The Organogram and Activity Areas of the Department of Lifelong Learning & Extension (Rural Extension Centre).

Deptt. of L.L & E(REC)

- i) Bolpur-Sriniketan Block
- ii) Illambazar Block

8 Gram Panchayats plus Visva-Bharati Area

- Illambazar GP - 07 villages
- Raipur - Supur GP - 11 villages
- Ruppur GP - 13 villages
- Sattore GP - 07 villages
- Kasba GP - 03 villages
- Kankali GP - 03 villages
- Sian - Muluk GP - 01 village
- Albandha - Sarpalehana GP - 01 village

Visva-Bharati Area - 4 tribal hamlets
(Consolidated block) - 1
Total villages covered - 50
Total population covered: 1, 50,000 (Approximately)
Nature of villages in terms of caste domination:
a) Number of ST dominated villages: 09 (Nine)
b) Number of SC dominated villages: 04 (Four)
c) Number of Minority dominated villages: 06 (Six)
d) Number of Mixed caste villages: 31 (Thirty one)

VI. Running of Rural Health Clinic:

A Crucial initiative under Health Extension Activities:-

Under health extension activities the department has opened health clinic in villages. Health Check-up unit is functioning and villagers are getting regular free treatment facilities from health check-up unit.

VII. Agricultural Extension Activities:

This Department generally promotes awareness relating to agricultural activities and assist the VDS in extending agriculture extension work in the villages. As a part to promote horticulture in the villages, members of 12 Mohole Sanities were supplied sapling of Mango, Jamun, Guava and Lemon on the occasion of Halakarshan Utsav on 9th August 2016 in Sriniketan.

Special Programme on Awareness generation:

The department, since its inception is working in sensitizing people for spreading awareness on different social evils. Several incidents on superstition (witch) took place in the surrounding tribal villages threatening people's life. Sensitization programme on "Superstition & Social evils among Tribal community" in the previous year brought lot of positive impact which compel us to initiate such kind of programme once again in Sriniketan on 12th November, 2017. Nearly 200 tribal leaders (Manjhi Haram) from Bolpur-Sriniketan Block & Lavpur Block participated in this programme.

Special drives against Child Marriage:

This is one of the crucial social problems which need special attention from society as well as institutions. This year the department took several attempts to address this issue. Village high schools and high Madrashes was primarily taken as a platform to create awareness. During this year, two such programmes were organized. First, awareness programme against child marriage was organized at Mohidapur High Madrasha where 200 participants including girl's students and SHG members took active part in the discussion. Another programme was organized at Rajatpur Indranarayan Vidyapit where 250 girl's student and SHG members participated.

X. Folk Cultural Activities:

To revive the traditional folk culture and to encourage the creative potentialities through this traditional asset in the rural areas is the main objective of this programme. Different types of folk cultural programmes were organised by the members of the village development societies. During Sriniketan Magh Mela (2017), the Department of Lifelong Learning & Extension (Rural Extension Centre) took part in the programme called "Loko Sanskritir Ashor" where artists from different villages

were participated. This year, a number of Village Development Societies received partial financial assistance for organising different folk recreational programmes in their respective villages. Those folk items Vadu, Harinum, Yatra, Kirtan are noteworthy.

XI. Crafts Promotion Programme:

Promotion and revival of traditional crafts of villages is the main objective of this programme. Craftsmen are engaged in different crafts such as bamboo work, lacquer based handicrafts, wire, clay, jute work, paper pulp, sola pith, leather works, kantha stitch, grass work, appliqué etc are encouraged to sell their product on different occasions. During this year a meeting with such craftsmen was organised in the department where 50 different craftsmen participated. In the year 2016-2017, the department organized exhibitions-cum- demonstration of the rural artisanary during important occasions. During Poush Mela 2015, Magh Utsav-2016, 15 such rural artisans took part in the demonstration- cum-sell counter.

XII. Activities of Audio-Visual Unit:

The department has a separate audio-visual unit. This unit is responsible to provide still & video photographs and to make documentation of all the programmes. During Poush Mela this unit had prepared an exhibition on rural crafts.

XIII. CELEBRATION OF IMPORTANT EVENTS/DAYS:

1. This year 8th September, the International Literacy Day was celebrated at five different villages in five different clusters respectively i.e. Surul, Supur, Gopalnagar, Kamalakantapur, Ballavpur village. The day was celebrated with different cultural programme, recitation & drama etc. Successful 54 Madhyamik (60% Overall Grade A) and 42 Higher Secondary (70% Overall Grade A) students were felicitated during this occasion.
2. As like International Literacy Day, Children day was celebrated at five different villages in five different clusters respectively i.e. Mirzapur, Ramnagar, Lohagarh, Laldaha & Monoharpur village. Nearly 200 participants in each village participated in this programme. During this programme a drawing competition was also organized involving children.
3. The Library Day was celebrated on 20th December by 25 rural libraries. Rural Libraries observed the day through organizing awareness programme, village rally with various posters, charts and cultural programme.
4. On the occasion of 123rd Birth Anniversary of L.K. Elmhirst the department organized a training programme on "Increasing Farm Productivity and Rural Development" in collaboration with BIRD. Sri Stayabrata Mukherjee - BCC& I was the chief guest in the programme. Besides, K. Marjit, GM, BIRD, Prof S. K Sen - Director, Prof. M. M. Mukherjee- Principal, PSV, Prof. S. Chowdhury, Principal, PSB was also present in the inauguration programme. A pictorial exhibition on Sir. L.K Elmhirst was also organized on this occasion.

XIV. LINKAGE DEVELOPMENT:

The Department of Lifelong Learning & Extension (Rural Extension Centre) Visva-Bharati has been developing linkages with the following Institutions:

External:-

01. Bengal Chamber of Commerce & Industry(BCCI), Kolkata
02. Department of Agriculture Marketing, Govt. of West Bengal
03. Directorate of Field Publicity, Ministry of Information and Broadcasting, Government of India.
04. Elmhirst Institute of Community Studies, Santiniketan.
05. ICDS, Bolpur.
06. Anthropological Survey of India, Govt. Of India.
07. Block Development Office, Illambazar, Bolpur- Sriniketan
08. Block Primary Health Centre, Bolpur & Illambazar
09. Birbhum District Police.
10. District Legal Aid Authority, Birbhum.

Internal:-

01. Dept of Social Work (2 students from Social Work department placed for field placement for one year)
02. Silpa Sadan
03. Rathindra Krishi Vigyan Kendra
04. Palli Siksha Bhavan
05. Siksha Satra
06. Siksha-Bhavana
07. Patha Bhavana
08. Rabindra Bhavana
09. Centre for Women Studies.
10. Vinaya Bhavana (Deptt. of Education).

XV. Seminar / Workshop / Conference/Training:

1. Two days workshop on "Santiniketan: Visit & Know the Tagore's Place" was organized by the department on 7th & 8th January 2017 at REC Seminar Hall involving Students from Diploma in Rural Tourism, M. A in Rural Management and selected Civic Volunteer of Birbhum Zilla police. Prof. Tapati Mukhopadhaya, Director, Culture & Cultural Relation, V.B. Prof. Subujkoli Sen, Director, SEI&RR, Sriniketan Prof. Sisir Sahana, Principal, Kala-Bhavana was acted as resource person in this Workshop.
2. This year the department organised 2 days SHG Convention cum National Conference on Women and Development on 17th-18th March, 2017. Total 300 participants including 90 academicians, research scholars & development professional attended & presented their research papers in the National Conference

SILPA-SADANA

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: Not Applicable

Departmental Seminar/ Workshop (Speakers, Title of the Seminar, Date)"

- i. Department has organized 3 days Skill Development Programme for the Carpenters of Keshpur Wooden Furniture Cluster, Dist. Paschim Medinipur from 27.12.2016 to 29.12.2016
- ii. Department has organized 1 day training on establishing Market linkage and 2 days Skill Development Programme for the Carpenters of Ranisarai Wooden Furniture Cluster, Dist. Paschim Medinipur from 05.02.2017 to 07.02.2017

National and International standard Conference /Seminar /Workshop / Exhibition etc. attended by the teachers/research scholars in details.

Ashis Mitra

- i. Presented a paper titled "Application of Multiplicative Analytic Hierarchy Process of MCDM Technique for Ranking and Selection of Handloom Fabrics for Summer Clothing" in the TEQIP-II sponsored 3rd National Conference on Emerging Trends in Textile, Fibre & Apparel Engineering held during February 19-21, 2016, organized by Govt. College of Engg. & Textile Tech. (GCETT), Berhampore, WB. Full paper published in the Book of Proceedings, ISBN: 978-1-63068-205-7, Published by GCETT Berhampore - 2016.
- ii. Presented a paper titled "Application of Hybrid AHP-TOPSIS Method of Multi-Criteria Decision Making Approach for Ranking and Selection of Handloom Fabrics for Summer Clothing" in the International Conference on "Textile and Clothing: Present and Future Trends" Organized by Department of Jute & Fibre Technology, University of Calcutta, held during January 3-5, 2017 at Centre for Research in Nanoscience & Nanotechnology, CU, Sector-III, Salt Lake, Kolkata. Full paper published in the Book of Papers, ISBN: 978-93-84923-15-0, Edited by Debasish Das and Published by Power Publishers (Kolkata), January, 2017.

Dr. Sankar Ray Maulik

- i. Paper entitled "Value added apparel made of handloom textiles" was presented in the International Conference on Redefining Textiles-Cutting Edge Technology of the Future (RTCT-2016)" organized by Dr. B R Ambedkar National Institute of Technology, Jalandhar, during 8 - 10 April 2016.
- ii. Paper entitled "Value added apparel made of jute-cotton union fabric" was presented in the International Conference on Textile and Clothing - Present and Future Trends" held on 3-5 January, 2017 at Technology Campus, University of Calcutta organised by Department of Jute and Fibre Technology, University of Calcutta.

Prabir Kr. Choudhuri

- i. Delivered invited lecture on 'Khadi textiles in India: Present scenario' Feb. 8, 2017 at REC, Visva-Bharati on invitation by Tagore Khadi Samabai Samity, Bolpur, under Peoples' Education Program (PEP) of KVIC, India.

Ongoing Research Project in the Departments : NIL

Extension Activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department

- i) Through the extension activities of Textile section of the department, handloom weavers of nearby villages have been given job of manufacturing fabrics out of our supplied dyed, bleached and grey yarns and as per our designs & specifications. The final products have been sold through the Sales Emporium of the Department and Pous Mela.
- ii) Similarly, rural craftsmen in the field of carpentry, pottery, artistic leather crafts, handmade paper making, batik etc have been provided employment through manufacturing of different respective crafts items either by providing raw materials or by directly purchasing the finished items as per the designs supplied by the departments.

Academic distinctions gained by Teachers/Scholars or the Department as a whole

Arabinda Mondal

- i. Nominated as the member of the Publication committee of Indian Institute of Ceramics.
- ii. Research guidance: Research Scholar (ongoing) - 1

Sankar Ray Maulik

- i. Act as a resource person to conduct the two days training workshop on " "Colouration of textile by pigment application" at Apparel Training and Design Centre, Kolkata during 29 - 30 March, 2017.
- ii. Acted as a resource person to deliver a lecture in two days Workshop cum Exhibition on "Learning to Work: Hands on experience for sustainable development? organised by the 14 Department of Education, Vinaya Bhavana, Visva-Bharati, Santiniketan on 31st March, 2017.
- iii. Participated and successfully completed ICAR Sponsored Winter School on "Value addition in jute and allied fibres through product diversification and waste utilization" organised by NIRJAFT, Kolkata during 15th September to 5th October, 2016.

Prabir Kumar Choudhuri

Research guidance

Research Scholar (ongoing) - 1

Research Scholar (thesis submitted) - 1

Shantanu Jena

- i. Invited as an expert to conduct a week long workshop in the field of ceramic and pottery at Artsecar, Saltlake, Kolkata, 25th to 31st May 2016
- ii. Invited as a visiting faculty to conduct Material and Process class for two week in the month of September 2016
- iii. Invited as a visiting faculty to conduct Combination of Material class for two week in the month of March 2017

Publications within the April' 2016 to March' 2017

(Papers in Journals)

International

Arabinda Mondal

- i. S. Dey, A. Mondal and T. K. Parya "Effect of boehmite addition on sintering behaviour of mullite precursor synthesized from bauxite, fly ash and precipitated silica" *Refractories Worldforum* 8 (2016) [4] pp 85-92.

Sankar Ray Maulik

- i. Sankar Roy Maulik and Lina Chakraborty, Batik work with *Indigofera tinctoria*, *Indian Journal of Natural Fibres*, 2(2), 2016, pp 35-39
- ii. Sankar Roy Maulik, Lina Chakraborty and Krisnakali Roy, Recycled Textiles, *Indian Journal of Natural Fibres*, 2(2), 2016, pp 55-58
- iii. Sankar Roy Maulik, Snigdha Das, Mrinal Kanti Sarkar and Debjani Ray Moulik, Design development on home furnishing, *Asian Dyer*, 13 (4), (2016), pp 53-56.

Prabir Kumar Choudhuri

- i. Raj S, Ghosh H & Choudhuri P K, Himalayan Fibres And The Possibilities Of Sustainable Livelihood Among Bhotia Tribes In Uttarakhand, Naveen ShodhSansar (An International Refereed Research Journal) April to June 2016, E- Journal ISSN 2320-8767, E- ISSN 2394-3793, Impact Factor - 1.9411 (2015) pp. 61-63
- ii. Raj S, Ghosh H & Choudhuri P K, Manufacturing Of Yarn From Some Natural Fibres Of Himalayan Origin And Their Blends, Naveen ShodhSansar (An International Refereed/ Peer Review Research Journal), ISSN 2320-8767, E- ISSN 2394-3793, Impact Factor - 4.710 (2016) January to March 2017, E - Journal. Pp 21-23

Book publication**Prabir Kumar Choudhuri****Book Chapter:**

- i. Role of Silpa-Sadana in Handloom Textiles by Prabir Kumar Choudhuri, in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
- ii. Application of Decision Support System for Designing and manufacturing of warmth giving fabrics for targeted customers: A new approach in Design Management by Prabir Kumar Choudhuri and Amit Kumar Pal in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
- iii. 'Bagru' ---- a traditional printing technique of Rajasthan, by Sambaditya Raj and Prabir Kumar Choudhuri in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]
- iv. Selection of vegetable dye using Multi - Criteria Decision Making (MCDM) technique, in the Book 'Handloom Textiles & Natural Dyes', ISBN No. 978-93-5268-157-0, published by Visva-Bharati. [May, 2017]

Sankar Ray Maulik**Book Chapter(s)**

- i. Sankar Roy Maulik, Eco-friendly processing of textiles, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), Volume 2, (2017), pp 36-44, ISBN 978-81-932567-7-0.

- ii. Sankar Roy Maulik and Bidisha Ghosh "Value added apparel made of jute-cotton union fabric" Book of Papers, International Conference on Textile and Clothing - Present and Future Trends", 3-5 January, 2017, pp 56-59, ISBN 978-93-84923-15-0
- iii. Lina Chakraborty, Pintu Gain and Sankar Roy Maulik and Bidisha Ghosh "Value addition of handloom fabric through surface ornamentation techniques" Book of Papers, International Conference on Textile and Clothing - Present and Future Trends", 3-5 January, 2017, pp 123-126, ISBN 978-93-84923-15-0

Designing new course/curriculum or any other teaching innovations introduced by the Department :

Silpa-Sadana has started a new Vocational Degree course in Pottery & Ceramics, Master Degree course in design (M.Des) and PhD Programme from the academic session 2016-17.

A brief history on the development of the Bhavana/Vibhaga concerned with an Indication of the future plans for development:

Silpa-Sadana, a department under Palli Samgathana Vibhaga at Sriniketan is well acquainted for its Technical & Vocational training imparted in Cottage Industries & Craft since its inception in 1922. It also has a long tradition in enriching taste of the people through its artistic and innovative craft products. It had once taken leadership role in revitalizing the decadent rural industries and craft sector of India. Its present activities are:

Training Activities:

In the Training Section, systemic training in seven different trades or disciplines is being imparted to about 143 regular students out of which 95 students are studying at B.Des. level and 34 at Certificate level. Silpa-Sadana offers 4-year B.Des Course and 2-year Certificate Courses in i) Hand Made Paper Making, ii) Book Binding & packaging, iii) Hand Batik and iv) Artistic Leather Work v) Wood Work vi) Pottery vii) Handloom Weaving. It also conducts Vocational classes for the students of B.S.W. (Hons.), 1st Year and for the students of Uttar Siksha Sadana, Visva-Bharati.

Production, Extension and Marketing :

This wing has been carrying out production of artistic craft articles in the above-mentioned trades with the help of teaching & technical staff of the department, village artisan, daily rated casual workers and students of training units of Silpa-Sadana. The products made are sold through its Sales Emporium at Sriniketan.

The departmental Workshops / Studios /Laboratories have been developed and upgraded by incorporating new equipments / tools / machineries purchased out of XIth plan equipment grant.

Any other relevant information, which in the opinion of head of the Department is Worth reporting should be included.

Silpa-Sadana has received a grant of 1.5 Crore from University Grant Commission to start a new Bachelor of Vocation Course in Pottery and Ceramic in the Department from the academic session 2016-17.

DEPARTMENT OF SOCIAL WORK

Name of the Department: Department of Social Work, Institute for Rural Reconstruction; Visva Bharati, Sriniketan -731236

The Department of Social Work, Visva Bharati, Sriniketan began its journey in 1963. The purpose was to create awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India.

The Department of Social Work offers a three year undergraduate course in Social Work leading to the degree of Bachelors in Social Work with honours (BSW Hons) and a two year post-graduate course in Social Work leading to the degree of Masters of Social Work (MSW). The department also has the PhD Programme in Social Work with course work as per the UGC Guidelines 2009.

Main Features of the Course:

The main ideology of the Department rests on Tagore's principles of Rural Reconstruction focusing on rural and ecological aspects. The main features are to provide basic instructions in Social Work, theoretical and practical with a sound foundation in general education and a good back-ground in other social sciences.

Have a direct bearing on the problems of social welfare and community development particularly those of rural reconstruction, tribal and backward class welfare and management and welfare of the working classes in the unorganized sector.

Equip students of social work to work in multivariate fields and issues for social welfare and rights based initiatives.

Combine the academic requirements of a degree programme with an intensive engagement in field work and research creating a blend of theory and practice

Develop in students a) sense of passion for the discipline and profession, b) fellowship and universal brotherhood, c) understanding of human and social environment, d) Skills of helping individuals, groups and communities, e) essential use of resources for social welfare, f) an enquiring mind free of prejudices, g) skills of leadership, h) empathy and understanding and an (i) overall holistic development to work fruitfully and contribute to the development sector

Name of the students qualified in UGC/NET/CSIR/SLET and GATE Examinations

Ms. Babita Biswakarma, NET 2017

Departmental Seminar (Speakers, Title of the Seminar, Date)[Distinguished external Speakers only]

National Seminar on 'Contextualizing Conflict, Its Resolution and Peace-building Initiatives in India', organized jointly by Department of Social Work, Visva-Bharati and North East Institute of Social Science and Research (NEISSR), Dimapur on March 4-5, 2017. Organizing Secretary: Prof Asok Kumar Sarkar

National Workshop on Problem in Accessibility in Elementary Education by Scheduled Castes, Scheduled Tribes and Other Backward classes: A study in Hingalganj Block and Vision Plan for Sponsorship Programme of FADV involving Partner Organizations: An Impact Study on August 17th 2016. Organizing Secretary: Dr Sukumar Pal

National Workshop on Problem in Accessibility in Elementary Education by Scheduled Castes, Scheduled Tribes and Other Backward classes: A study in Hingalganj Block and Vision Plan for Sponsorship Programme of FADV involving Partner Organizations: An Impact Study on August 17th 2016. Organizing Secretary: Dr Sukumar Pal

Visiting Professor: Prof Joelle Libois, Director, School of Social Work University of Geneva-January 10th to 18th January to explore Indo Swiss Research Collaboration and Deliver lecture to faculty and students

Three Day lecture series on Child Rights/Project Management and Sustainable Development Goals on 17th to 19th March by Mr Ritwik Patra Specialist Education UNICEF Lucknow.

Sensitization Workshop on Sex, Gender and Sexuality with a focus on LGBT organized by Sappho for Equality and Department of Social Work on 21st March 2017

Any National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teacher/Research scholars in details. [Maximum 2 per Teacher]

K. Bhattacharya

Panelist "Early Childhood Development under nutritional and medical aspects", International Seminar organized by Shining Eyes India and University of Hohenheim, Germany, Bolpur, April 3 & 4, 2017. Panelist "Community, Community Immersion and Resource of the Tribes", Anthropological Survey of India; Crafts Council of West Bengal; SFTG Société de Formation Thérapeutique du Généraliste (France); UNIL Institut des sciences sociales THEMA; Université de Lausanne (Suisse); IUMF Institut Universitaire, de Médecine de Famille (Suisse); La Source, Institut et Haute école de Santé (Suisse); Visva - Bharati University, Santiniketan, June 26, 2016.

P.K. Ghosh

Presented a paper International Conference on Social Work-Social Development and Sustainable Development Goals held at Oak-Ray Regency Hotel in Kandy, from 29th to 30th, September 2016. Sri Lanka on "Promoting the Dignity and Worth of the People through Social Entrepreneurship Program in India"

Chaired a session at National Seminar on 'Contextualizing Conflict, Its Resolution and Peace-building Initiatives in India', organized jointly by Department of Social Work, Visva-Bharati and North East Institute of Social Science and Research (NEISSR), Dimapur on March 4-5, 2017.

A.K. Sarkar

Presented paper (as co-author) entitled "Factors Influencing Health of the Santhals: A Study of Selected Villages of Birbhum" in the international conference on "Social Work- Social Development and Sustainable Development Goals" jointly organized by the Department of Sociology, University of Peradeniya and International Consortium for Social Development-Asia Pacific, at Kandy, Sri Lanka during September 29-30, 2016.

Presented paper (as co-author) entitled "Brati Sangathan and Development: The Tagorean Model" in the international conference on "Emerging Trends in Youth Development-Best Practices and Sustainable Models" jointly organized by the Sacred Heart College, Don Bosco Youth Animation South Asia, and FSL India at Tirupattur, Tamil Nadu, India, during January 20-21, 2017.

Debatosh Sinha

Visiting fellow to Manchester University, Delivered lecture on Social Work in India

Paramita Roy

2016, September 29-30, "Community based health insurance schemes (CBHIs) in Health care financing: Regional reviews of Asian and African economies", International Conference on Social Work-Social Development and Sustainable Development Goals", 2016, International Consortium for Social Development (Asia-Pacific) and Department of Sociology, University of Peradeniya, Kandy, Sri Lanka. 2. 2017.

January 7-8, "Primary Education of Tribal Children: A Comparative Case Study Approach of Teaching Practices and Quality of Learning in selected Educational Institutions", Paper presented in International Seminar on "Growth & Diversification in India's Emerging Economy" organized by A.K.Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan.

Subhashree Sanyal

28th to 30th December 2016- Workshop on Quantitative Methods for Public Health Researchers of SAARC Countries organized by Department of Statistics, University of Calcutta in collaboration with International Statistical Institute and World Bank presented paper on Maternal Health and Institutional Delivery: A Study of Birbhum District, West Bengal.

7th and 8th January 2017- International Seminar on Growth and Diversification in India's emerging economy" organized by A.K.Dasgupta Centre for Planning and Development Paper titled- Born as a Muslim Girl: Issues Challenges and Education Initiatives of the State (Reflection from Birbhum District

Sukumar Pal

Presented a paper titled "Inclusive Policy for Political Participation of Marginalized Communities with special reference to Scheduled Castes, Scheduled Tribes and Women in India" in a seminar on "Relevance of Dr. B. R. Ambedkar for Inclusive Development in India" organized by the SC, ST, OBC Employees Welfare Association of Visva-Bharati on 14th April 2016 at Lipika, Visva-Bharati, Santiniketan.

Presented a paper on "Educational Inequalities among Scheduled Castes with special reference to utilization of post-matric scholarship in Birbhum District: A case Study" in an International Seminar on Growth and Diversification in India's Emerging Economy organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati from January 7-8, 2017.

Neelmani Jaysawal

Presented a Joint Paper titled "Role of Corporate Social Responsibility in Peace-Building" in the National Seminar on 'Contextualizing Conflict, Its Resolution and Peace-building Initiatives in India', organized jointly by Department of Social Work, Visva-Bharati and North East Institute of Social Science and Research (NEISSR), Dimapur on March 4-5, 2017.

Presented a Joint Paper titled "Women in Agriculture-Glimpses from Corporate Social Responsibility" in the National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016), organized by the Department of Animal Science, PSB, Visva-Bharati & The Society of Bio-resource, Environment and Agricultural Research, Santiniketan on December 4, 2016.

Sudeshna Saha

Presented a paper titled Occupational Health Hazards of Women Workers in Brick Kiln Industries : Glimpses from West Bengal in the National Seminar on 'Relevance of Dr. B.R Ambedkar for Inclusive Development in India' organized by the SC, ST, OBC Employees Welfare Association of Visva-Bharati on 14th April' 2017.

Presented a Joint Paper titled "Role of Corporate Social Responsibility in Peace-Building" in the National Seminar on 'Contextualizing Conflict, Its Resolution and Peace-building Initiatives in India', organized jointly by Department of Social Work, Visva-Bharati and North East Institute of Social Science and Research (NEISSR), Dimapur on March 4-5, 2017

Sasmita Patel

Presented paper titled "Eco Social Approach to Social Work-A Theoretical Discourse" in 4th Indian Social Work Congress organized by National Association of Professional Social Workers in India(NAPSWI) & Department of Social Work, Mahatma Gandhi Kashi Vidyapith, Varanasi during 22nd to 24th October,2016

Presented paper titled "Educational Rights of Children in the Civil Strife affected zones: Challenges and Way forward" in the National Seminar on Contextualizing Conflict, its Resolution and Peace-Building Initiatives in India organized by Department of Social Work, Visva-Bharati & North East Institute of Social Science and Research(NEISSR), Dimapur, Nagaland during 04-05 March 2017

Moumita Laha

7th and 8th January 2017- International Seminar on Growth and Diversification in India's emerging economy" organized by A.K.Dasgupta Centre for Planning and Development Paper titled- Born as a Muslim Girl: Issues Challenges and Education Initiatives of the State (Reflection from Birbhum District).

17th and 18th March 2017- National Conference on Women and Development organized by Department of Lifelong Learning and Extension (Rural Extension Centre) Visva Bharati , Paper titled :NGOs in 'Rights Talk': Case study of women workers in Bidi rolling industry

Manoj Kumar Biswas (Field Organizer)

Presented a paper entitled "Brati-Balak Sangathans and Youth Development: The Tagorean Model" in the international conference on "Emerging Trends in Youth Development (Best Practices and Sustainable Model) held on 20th & 21st January, 2017, jointly organised by P.G & Research Department of Social Work, Sacred Heart Collage, Tirupattur and Don Bosco Youth Animation South Asia, New Delhi in partnership with FSL-India, Bengaluru.

Presented a paper entitled "Indigenous Self-Governance System and Peace Building Actions" at the national conference on "Contextualising Conflict, Its Resolution And Peace Building Initiatives In India" held on 4-5 March, 2017 jointly organised by the Department of Social Work and North

East Institute Of Social Science And Research (NEISSR), Visva-Bharati, Sriniketan.

Presented a paper entitled "Application of IEC materials for Rural Women: Participatory Innovation" at the national conference on " Women and Development" held on 17-18 March, 2017 organised by the Department of Lifelong Learning and Extension (Rural Extension Centre), Visva-Bharati, Sriniketan.

Ongoing Research Projects in the Department

Name of the Teacher: Prof P.K. Ghosh

Name of the Project: Prevalence of disability among tribes in West Bengal and their rehabilitation
Sponsoring Agencies National Institute for Orthopedically Handicapped

Amount Sanctioned: Rs 18,00,000/-

Name of the Teacher: Prof K.Bhattacharya

Name of the Project Legal Awareness Camp for Rural Women
Sponsoring Agencies National Commission for Women

Amount Sanctioned : Rs 3,00,000/-

Name of the Teacher: Prof D. Sinha/ Dr S.Pal

Name of the Project: Sponsorship Programme of FADV Involving Its Partner Organization: An Impact Study

Sponsoring Agencies :FADV Germany

Amount Sanctioned Rs 1,00,000/-

Name of the Teacher: Prof P.K. Ghosh and Mr Subhodeep Mukherjee

Name of the Project: A study on the Best practices of Dairy Cooperative Societies (DCS) in W.B
Sponsoring Agencies : National Dairy Development Board

Amount Sanctioned: Rs 80,000/-

Name of the Teacher: Prof P.K. Ghosh and Mr Subhodeep Mukherjee

Name of the Project: Child Labour Survey of Birbhum District 2016
Sponsoring Agencies National Child Labour Project Birbhum

Amount Sanctioned: Rs 4,00,000/-

Name of the Teacher: Prof K.Bhattacharya/ Prof D. Sinha/Dr P.Roy

Name of the Project Institutional Monitoring of ICDS Scheme

Sponsoring Agencies National Institute for Public Corporation and Child Development

Amount Sanctioned Rs 1,74, 000/-

Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department.

As a part of our concurrent field work curriculum organized by the Department we have extended our interventions in a number of villages in Sriniketan -Bolpur and Illambazar Block. The students were supervised by the teachers to conduct activities at the community level in the following areas:
Awareness on Health and Hygiene including orientation of WASH programmes to school children
Conducted community and school cleaning programmes under Swachh Bharat Abhiyaan
Conducted Health check up camps in collaboration with local hospitals

Conducted Animal Check Up and Vaccination camps with Animal Husbandry Department
Conducted SHG training programmes on Nursery Development in Collaboration with Krishi Vigyan Kendra Sriniketan

Conducted various camps for awareness on various government schemes like- Janani Suraksha Yojana, Pradhan Mantri Jan Dhan Yojana, Old Age Pension Scheme, Disability Certificates , Window Pension Scheme, Nirmal Bharat Abhiyan etc

Organized extension activities organized by the department and participated by the teachers and students of the department: The research scholars organized group discussion session as part of the first 2-day Legal Awareness Camp for Rural Women among Santal women in Ghosaldanga village.

Academic distinctions gained by Teacher/ Scholars or the Department as a whole (Like Recognition as D.S.A. or C.A.S. etc.)

The Department got the grant from UGC to run two Centres:

1. Centre for Disability Studies
2. Centre for Studies in Social Exclusion and Inclusion

Publications within the year April 2016 - March 2017.

P.K.Ghosh

Edited a book (as co-editor) entitled Human Development and Sustainability: Challenges and Strategies (Ed), Atlantic: New Delhi, 2017. [ISBN 9788126923076]

Reaching the Unreached with Social Work Education- the Gracious Way, P.K.Ghosh & Aneesh Kurian, 2016, ISBN : 978-81-7658-082-3, Uppal Publishing House, New Delh-11000

Asok Kumar Sarkar

Published a book chapter (as co-author) on 'Stages of Group Development', in B.S. Gunjal's (Ed.), Social Group Work, India Book House Prakashana: Bangalore, 2017

Edited a book (as co-editor) entitled Human Development and Sustainability: Challenges and Strategies (Ed), Atlantic: New Delhi, 2017. [ISBN 9788126923076]

Debotosh Sinha

Published a book titled Children: The Vanished Childhood , Concept Publications, New Delhi ISBN: 13:98-93-5125-259-7

Paramita Roy

"Accessibility and Affordability in Rashtriya Swasthya Bima Yojana (RSBY): A comparative study of four districts in South Bengal", Journal of Social Work and Social Development, Volume 05, No. 03 & 04, ISSN 2229-6468.

"Hospitalization Insurance: an analysis of the Rashtriya Swasthya Bima Yojana in India", International Journal BITM Transaction on EECC, Vol. 5(1): 36-53, ISSN 0974-9527. 3. Roy Paramita, 2016,

"An essay on Capitalism, Liberalism and Welfare", Perception, Vol. 7(15-16): 22-30, ISSN 2454-4353.

Comparing Healthcare Schemes of selected countries in Asia: Issues of sustainability", In Human Development and Sustainability: Challenges and Strategies", (eds.) A. K. Sarkar and P. K. Ghosh, Atlantic Publishers, New Delhi, ISBN 978- 81-269-2307-6

Roy Paramita, 2016, "Right to Education and Social Inclusion: Case Studies of children of sex

workers in institutional and open settings "In Handbook of Research on International Relations, Foreign Policy and Human Rights, Vol. I, (ed.) S. Chakraborty, ABS Publications, New Delhi.

"Inclusive Health in India: A study of the Rashtriya Swasthya Bima Yojana", In Inclusive Development, Women Empowerment and Social Justice, Vol I, (eds) S. Pal et al, New Delhi Publishers, New Delhi.

"Accessibility and treatment in Rashtriya Swasthya Bima Yojana (RSBY): Celebrating women empowerment with a caution", In Women Empowerment: Challenges and strategies"(ed) S. Paul, Arpan Publishers, New Delhi, ISBN 978-93-82135- 68-5, pp: 73-81.

"Right to Health and Universal Health Coverage: Can Health Insurance Schemes for the Poor be a partner to it?"In Multidisciplinary Handbook of Social Exclusion and Human Rights, (eds.) Swati Chakraborty and Nanjunda, Aayu Publications, New Delhi.

"Factors affecting child health: A study of respondent mothers and their children's health, In rural West Bengal", In Rural Development in India (eds.) Abdul Azeez and Jawed Akhtar, Kalpaz Publications, New Delhi.

'Health Insurance for the poor: The working of Rashtriya Swasthya Bima Yojana in select districts of South Bengal "In Rural Health, Women Empowerment and Agriculture -Issues and Challenges (eds.) P. Chattopadhyay and D. Kushwaha, New Delhi Publishers. ISBN 978-93-85503-40-5.

Subhashree Sanyal

Paper titled "Media and Gender on Crossroads: Interpretation and Juxtapositions" published in Journal of Social Work and Social Development; Visva Bharati University Press: Department of Social Work. ISSN:2229-6468-(2017)

Paper titled Threats of Threads: Reflections from Experiences of Traditional Silk Weavers published in Mitra,A (Eds.) Handloom, Textiles and Natural Dyes published by Creative Incorporate and Visva Bharati Shipa Sadana. (2017)

Sukumar Pal

Paper entitled "Understanding Disaster Risk Reduction: A Study on Knowledge, Attitude and Practices of Eight Aila hit villages of Hingalganj Block, North 24 Parganas, W.B." published in an International Journal of Inclusive Development, ISSN- 24544132, Volume No.2, New Delhi, 2016.

Paper entitled "Declining Child Sex Ratio in India-Issues and challenges" published in a book titled Rural Health, Women Empowerment and Agriculture: Issues and Challenges edited by Pranab Kumar Chottopadhyay, 2016. ISBN No 978-93-85503-40-5.

Published a paper entitled "Understanding Violence against Women with reference to Domestic Violence, Rape and Traditional Practices: An Analysis" in a Book titled "Development Perspectives: Towards New Challenges", Working Paper (Volume-V), published by A. K. Dasgupta Centre for Planning and Development, ISBN: 978-93-85503-72-6, 2017

Published a paper entitled "Life and Social Philosophy of Dr. B. R. Ambedkar" in an edited book Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (Vol-I), edited by Pal, Bhikkhu, et all ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a paper entitled " Women Empowerment through Legislation: An Analysis in Indian Perspective" published in a book titled Women Empowerment: Challenges and Strategies, edited by Sujit Kumar Paul, ISBN 978-93-82135-68-5, 2016 Arpan Publications, New Delhi.

Published a paper entitled "Understanding Problem of Food Security" in a book titled Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Vol-II), edited by Bholanath Mondal, et al ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a paper entitled "Political Participation of Marginalized Groups with special reference to Scheduled Castes, Scheduled Tribes, Women and PWDs in India: Dr. B. R. Ambedkar and Thereafter", in an edited book titled Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (Vol-I), edited by Pal, Bhikkhu, et al ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a paper entitled "Migration of Tribal Women: A Case Study in Jharkhand" in an edited book titled Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (Vol-I), edited by Pal, Bhikkhu, et al ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a paper entitled "Inclusive Education for Differently Abled Children in India" in an edited book Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (Vol-I), edited by Pal, Bhikkhu, et al ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a paper entitled "Atrocities against Scheduled Castes and Scheduled Tribes---its nature and causes" in a book titled Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (Vol-1), edited by Pal, Bhikkhu, et al ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi

Published a book entitled "Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice" Vol-I, edited by Sukumar Pal, Bhikkhu, et al, ISBN No 978-93-85503-58-0, 2017, New Delhi Publishers, New Delhi.

Published a Research Report titled "Problem of Accessibility in Elementary Education by Scheduled Castes, Scheduled Tribes and Other Backward Classes: A Study in Hingalganj", 2016, ISBN 978-93-5267-166-3., Andrewspalli Centre for Integrated Development, Jogeshganj, West-Bengal.

Neelmani Jaysawal

Neelmani Jaysawal, et. al (Eds.).(2017): Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice, New Delhi, New Delhi Publishers, ISBN: 978-93-85503-58-0 (Vol. I) (co-edited)

Jaysawal, Neelmani and Sudeshna Saha (2016): Impact of displacement on livelihood: a case study of Odisha; Community Development Journal, Oxford University Press, Online ISSN: 1468-2656, Print ISSN: 0010-3802, doi: 10.1093/cdj/bsw026.

Jaysawal, Neelmani (2017): Role of Non-Governmental Organization (NGO) in Social Capital: A Review; Asian Journal of Research in Social Sciences and Humanities, 7(6), 341-351, ISSN 2249-7315 (forthcoming).

Jaysawal, Neelmani and Sudeshna Saha (2017): CSR and Upliftment of Marginalized Women: A Case Study of Hindustan Unilever Ltd. (HUL) in Pal, Sukumar, et al.(Eds.), Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (pp. 148-155), New Delhi Publishers, New Delhi, ISBN: 978-93-85503-58-0 (Vol. I).

Jaysawal, Neelmani and Sudeshna Saha (2017): Role of Self Help Group (SHG) in Women

Empowerment: Evidences from Civil Society in India in Paul, Sujit Kumar (Eds.), Women Empowerment: Challenges and Strategies (pp. 303-319), Arpan Publications, New Delhi, ISBN: 978-93-82135-68-5.

Sudeshna Saha

Sudeshna Saha(2016):: Corporate Social Responsibility (CSR) in Rural Development, The Indian Journal of Rural Studies, Vol 2 No .1, pp.73-86 ,ISSN No-2350-1227

Jaysawal, Neelmani and Sudeshna Saha (2016): Impact of displacement on livelihood: a case study of Odisha; Community Development Journal, Oxford University Press, Online ISSN: 1468-2656, Print ISSN: 0010-3802, doi: 10.1093/cdj/bsw026.

Jaysawal, Neelmani and Sudeshna Saha (2017): CSR and Upliftment of Marginalized Women: A Case Study of Hindustan Unilever Ltd. (HUL) in Pal, Sukumar, et al.(Eds.), Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice (pp. 148-155), New Delhi Publishers, New Delhi, ISBN: 978-93-85503-58-0 (Vol. I).

Jaysawal, Neelmani and Sudeshna Saha (2017): Role of Self Help Group (SHG) in Women Empowerment: Evidences from Civil Society in India in Paul, Sujit Kumar (Eds.), Women Empowerment: Challenges and Strategies (pp. 303-319), Arpan Publications, New Delhi, ISBN: 978-93-82135-68-5.

Sasmita Patel

Patel, S. (2016) "Disable Women in India: Issues and Challenges" in Chattopadhyay,P.K. & Kushwaha, D.S.(eds) Rural Health Women Empowerment and Agriculture: Issues and Challenges, New Delhi Publishers, New Delhi: ISBN: 978-93-85503-40-5 (co authored)

Patel, S.(2016) CSR and Employee Engagement: Some Reflections; Anubodh-August; pp 3-4; ISSN 2349-0616 (co authored)

Moumita Laha

Paper titled Threats of Threads: Refections from Experiences of Traditional Silk Weavers published in Mitra,A (Eds.) Handloom, Textiles and Natural Dyes published by Creative Incorporate and Visva Bharati Shipa Sadana. (2017)

Manoj Kr Biswas

Conducted a qualitative study as Toilet User's Behaviour under Nirmal Bharat Abhiyan: An Experience of Bolpur Sriniketan Development Block, Birbhum, West Bengal, India in the month of June, 2016

Designing New Course/Curriculum or any other teaching innovations introduced by the Department.

New Course

The department has designed BSW (Hons.) under CBCS and Masters in Social Work (MSW) CBCS curriculum which will be implemented from July 2017

Curriculum

The Department offers two diploma courses -

1. PG Diploma in Exclusion and Inclusive Policy from July 2017
2. PG Diploma in Disability Studies from July 2017.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

History

The Department began its journey in 1951 at a crucial juncture of free India as the training institute for the staff of the newly created Block Office under the Ministry of Education offering Diploma in Rural Higher Education. The purpose was to create better awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India. The Department begins with two diploma courses from the 2015 Academic session that have been duly approved by the Academic Council of the university.

Vision Plan

Phase 1 - 2017 to 2020	Requirements	General Requirement	Specific Requirement
	DSA Phase 1- Theme: Rural Reconstruction/ Sriniketan Experiment Adoption of one model community for the practice of Rural Reconstruction thorough social work	Fund allocation for community adoption programme	Funding for field work lab
	Designing of new curriculum for the core course and centres	Budget allocation for membership affiliations	Fund for AC in Seminar Hall and HOD's room
	Affiliation to various International Social Work Bodies	Budget for set up of field work lab and equipments	
	Field Work Laboratory		
	Subscription of international journals and national journals of social work		
Phase 2 -2021 to 2015	DSA Phase 2- Collaborations with various social work institutes for teacher and student exchange	Funding assistance for exchange programmes	
	Establishment of School of Social Work with core departments and centres	Building fund for establishing of school of social work and centres	
	New building for Social Work centres- Disability Studies and Social Exclusion	Fund for establishment and allocation for school of social sciences	
Phase 3- 2026 to 2030	Centre for Advanced Studies in Social Work	Funding assistance, infrastructure and development from University, UGC and MHRD	

PALLI CHARCHA KENDRA (DEPARTMENT OF RURAL STUDIES)

Palli Charcha Kendra (Department of Rural Studies) started as an interdisciplinary Centre of academics in the model of CSSS-Calcutta, Patuli (ICSSR institute in Kolkata) with faculties drawn from various disciplines: Economics/Anthropology/Statistics/Demography/Geography. This teaching department, founded in 1977, started with M.Phil Programme under Vidya Bhavana. Later on it was put under the Institute of Palli Samgathana Vibhaga (PSV). At present it offers Undergraduate Course-Bachelor of Rural Studies (BRS) and Postgraduate Course - Masters of Rural Studies (MRS) since 2015-16 and phased out the MA in Rural Development course. It also runs the Ph.D. programme and conducts research on various aspects of life of the rural people. This subject itself is an emerging subject in the academic arena. The Department is giving all its effort to establish it as a prestigious academic discipline by developing a course structure and suitable syllabus that will produce students having a strong basic theoretical knowledge of related core subjects and become capable to apply that knowledge in the real world situations. All of our existing syllabuses are well-blended mix in this direction. The students under the guidance of the faculty members are continuously collecting and analyzing data to assess the changing rural scenario and formulating projects for the upliftment of the poor and weaker section of the rural sector. This way the department has been generating and updating knowledge about social economic and environmental conditions of the surrounding villages.

Palli Charcha Kendra (Department of Rural Studies)-vide Academic council -Oct, 2014-and Executive Council-Feb-2015 resolutions

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:

UGC do not have NET in Rural Studies

Departmental Seminar / Workshop (Speakers, Title of the Seminar, Date):

Title of the National Workshop: "Development of Curriculum of Undergraduate and Postgraduate Courses of Rural studies and One Day Interactive Session with NCRI"

Dated: 30th - 31st March, 2017& 1st April, 2017

Names of Distinguish External Speakers:

1. Prof. H. S. Shylendra, IRMA, Anand, Gujrat
2. Prof. Vipul J Somani, Veer Narmad South Gujrat University, Gujrat
3. Prof. Udaybhanu Bhattacharya, Kayani University; Kalyani
4. Prof. Bipul Malakar, Former Professor of Economics, Jadavpur University; Kolkata
5. Prof. Samita Manna, Kalyani University, Kalyani
6. Prof. Debasis Bhattacharya, Professor of Agricultural Statistics, Visva-Bharati, Sriniketan
7. Dr. W. G. Prasanna Kumar, NCRI, Hyderabad
8. Mr. D. P. Patnaik, NCRI, Hyderabad

Only National and International Standard (Conferences / Seminars / Workshops / Exhibitions etc. attended by Teachers / Research Scholars in details.

Sankar Majumder

(i) Delivered Plenary Lecture

Title of the Paper : Precondition for Small Industrial Growth in West Bengal International Conference on "Inclusive Development and Sustainable Wellbeing" Organised by Department of Economics , University of Burdwan, 20-21 December 2016.

(ii) Delivered the Invited Lecture

Title of the Paper : Development of Backward Religion -In Evaluation of the on - going Process UGC Sponsored International Seminar on "Development of Backward Religion of West Bengal with Special Reference to Growth and productivity of Deferent Sectors". Organised by Department of Economics with Rural Development , Vidyasagar University, West Bengal 23-24 March 2017.

(iii) Acted as the convener of the UGC and NCRI Sponsored Workshop on "Development of Curriculam for Under Graduate and Post Graduate courses of Rural Studies and An Interactive Session on NCRI Academic Activities on Social Responsibility- Rural Community Engagement Organised by Palli Charcha Kendra (Department of Rural Studies), Palli Samgathana Vibhaga, Visva-Bharati. 30th March to 1st April 2017

(iv) Acted as Chairperson of Two Technical Session of the Workshop on "Development of curriculam for Under Graduate and Post Graduate courses of Rural Studies and An Interactive Session on NCRI Academic Activities on Social Responsibility- Rural Engagement Organised by Palli Charcha Kendra (Department of Rural Studies), Palli Samgathana Vibhaga, Visva-Bharati. 30th March to 1st April 2017

Santanu Rakshit

Attended the Workshop on "Development of Curriculum for Under Graduate and Post Graduate courses of Rural Studies and An Interactive Session on NCRI Academic Activities on Social Responsibility- Rural Community Engagement Organized by Palli Charcha Kendra (Department of Rural Studies), PSV, Visva-Bharati, Sriniketan during 30th March to 1st April 2017

3. Dr. RathindraNathPramanik, Associate Professor (Economics) & HOD

Attended the Workshop on "Development of Curriculum for Under Graduate and Post Graduate courses of Rural Studies and An Interactive Session on NCRI Academic Activities on Social Responsibility- Rural Community Engagement Organized by Palli Charcha Kendra (Department of Rural Studies), PSV, Visva-Bharati, Sriniketan during 30th March to 1st April 2017

M.A. Masillamani

i. Participated as Speaker and presented a paper on "Dr. B. R. Ambedkar and Human Rights" Seminar on Dr. B. R. Ambedkar and His Thoughts on Human Rights held at Saldiha College, Saldiha, Bankwa between 3rd and 4th September 2016 Also, Chaired a Session in the above Seminar.

ii. Delivered a Lecture in a two day ICSSR Sponsored National Workshop on "Social Science Research: Issues and Concerns" organized at Government Arts College (Autonomous) Karur, Tamil Nadu on 16th and 17th February 2017.

iii. Presented a paper on "Environmental Concerns of Mughals in India" in an International Seminar

on "Development of Art , Literature , Culture and Religion under the Mughals in India" conducted by the Development of Arabic, Persian, Urdu & Islamic Studies of Visva-Bharati, Santiniketan on 30th & 31st March 2017. Also , Chaired a Session in the Seminar
iv. Participated in a three day National Workshop on Curriculum Development organized by Palli Charcha Kendra (PCK), Visva-Bharati, Sriniketan from 30.03.2017 - 01.04.2017.

Ongoing Research Project in the Department : One ICSSR Research Project

- (i) Dr. RathindraNathPramanik, Associate Professor & Head, P.C.K.
- (ii) Titled "Agrarian Crisis and Conditions of Farmers in West Bengal"
- (iii) ICSSR
- (iv) Rs. 6.40 lakh

Extension activities/NSS/Cultural and other activities organized by the department and participated by the Teachers and students of the Department:

- (1) Teachers and Students of the Department regularly visit villages for -
 - a) Preparing village profile;
 - b) Identification of problem and prepare viable project for amelioration of the problem.
- (2) Teachers and Students of the Department actively participate in NSS programmes / Gandhi Punyaha etc. -

Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) : NIL

Publications within the year April 2015 - March 2016 :

Sankar Majumder

Articles in Journal

Title of the Paper: 'Changing Pattern of Industrial Employment of the Rural People: Reflection from the Post liberalisation Period in India', Journal of Social and Economic Studies, Vol. XXVI, NO. (1-2) 2016.

M.A. Masillamani

Articles in Journals:

Article entitled "Rural Development Programmes and Environmental Sustainability" published in the journal of Social Science and Humanity Research Vol.4 No 1&2 , 2016

RathindraNath Pramanik, Economics & Head,

Articles in Journals:

.Article entitled 'Cash transfer Scheme - A Tool of Food Security', published in 'Nrtattv - The Anthropology, Vol. 8 - 11, 2016

Designing New Courses/ Curriculum or any other teaching innovations Introduced by the Department :

Designed new Curriculum under CBCS for Undergraduate course-Three Years Bachelor of Rural Studies (BRS) and Post graduate course ---Two Years Masters of Rural Studies (MRS) of PCK (Department of Rural Studies).

10. A brief history on the development of the Bhavana / Sadana / Vibhaga concerned with an indication of the future plans for development. :

This department started as an interdisciplinary centre of academics in the model of CSSS-Calcutta, Patuli (ICSSR institute in Kolkata) with faculties drawn from various sections of disciplines -- Economics/Anthropology/Statistics/Demography/Geography.

A very brief history of the evolution of the department

- 1) In 1977, PalliCharcha Kendra was established under VidyaBhavana -with MPhil course and a keen orientation strictly towards research work --under stalwarts of social science--like VK Roy Barman (ex-director Anthropological survey of India), Sunil Sengupta (co-author of many books with Jean Dreze, Harris Gazdar). The infamous Prof. Ashoke Rudra also taught MPhil course here as guest professor along with the Ex-Vice Chancellor of Visva-Bharati-Prof Surajit Sinha.
 - 2) Subsequently, it was put under PSV and from 1991 it started two courses -MA-(Rural Development) and M.A/ M.Sc.-Anthropology with PhD courses in Social Science and Anthropology respectively, and was carried on successfully.
 - 3) Under statutory amendments from 2010-Jan. 31 the Department of Anthropology was carved out from Department of PCK and the new Department of Anthropology was shifted to Vidya Bhavana. The Department of PCK with its courses in MA in Rural Development and PhD in Social Sciences remained under PSV. Since 2015-16, the Department introduced the Undergraduate course-Three Years Bachelor of Rural Studies (BRS) and Post graduate course ---Two Years Masters of Rural Studies (MRS) by replacing M. A. Rural Development. However, HLC recommended that Department of PCK as such (before bifurcation) should be put under Vidya Bhavana.
 - a) Intake capacity of Three Years Bachelor of Rural Studies (BRS) is 40 for each semester and for Two Years Masters of Rural Studies (MRS), it is 25 for each semester up to 2017-18. The intake capacity of MRS will be increased to 40 for each semester from 2018-19.
 - b) Approximately 16 PhD students are enrolled.
- Indication of the future plans for development
1. Department also envisages applying for SAP, which has already been passed in BOS.
 2. Department is planning to start some short term courses on Rural Studies to prepare Rural Development practitioners for the upcoming demand of employment in NGO's.
 3. Increase employability by linkages with government and Non-governmental agencies.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting, should be included. :

The department has very capable human resources to compete with any academic institution carrying out academic courses in Rural Studies. However, there are many lacunas too. The foremost hindrance of the department is vacant faculty positions. Next is the adequate space.

PALLI SIKSHA BHAVANA (Institute of Agriculture)

Academic

The major academic achievement of this year is the creation of nine new departments from the existing four composite departments. Another important event is the opening of M.Sc in Poultry Science.

In this year most of our UG students successfully completed ICAR - JRF examination and got ICAR-Junior Research Fellowship and Placement to different Universities and Institutes. Quite a few PG students and Research Scholars qualified for national Eligibility Test (NET). To keep pace with different academic and developmental activities, all the meetings conducted by ICAR on different issues were attended time to time by the Principal and Nodal officer of the Bhavana. Numbers of students were selected through campus interview in different public and private organisation. The village attachment and industry placement for all the final year UG students were arranged. Bhavana organized the following seminar and programmes:

National seminar on Nutrition & Wellness.

Farmers training on judicious use of pesticides in collaboration with Hindusthan Insecticide Ltd (Delhi).

Agricultural Farm

The Agricultural farm is a field laboratory for the students of UG, Master degree and Ph. D as well as for faculties involved in research activities. Agricultural Farm of PalliSiksha Bhavana comprises an area of 47.0 ha with an irrigated area of 16.0 ha and net cultivable area of 12.0 ha.

Farm Income: Rs 256261.00 (2016-17)

Research / Experiment conducted by PG & Ph.D and teachers during 2016-17

Pre-Kharif 21

Kharif 20

Rabi 28

Total 69

PSB LIBRARY

This library played a key role in day to day academic activities of PSB and other Bhavanas and Departments. PSB library serves nine departments of Institute of Agriculture and department of Social Work and Rural Development in particular and other departments of different Bhavanas in general with its open access library system. Library provides documentary resources in the form of books and journals, grey literature as well as e-recourses. Library provides intranet and internet facility for browsing and retrieval of documents with its Wi-fi connectivity. In the year under review library procured 30 journals and 324 numbers of books. Other services/resources of the library are as follows:

Total number of books; 50084

Total number of periodicals: 5434

Number of books catalogued electronically: 4591

Number of books issued: 5590
Number of books returned: 4542
Reference Service/Reading Room: 16017

List of Publication of Partha Pratim Roy, Dy Librarian (PSB Library)

1. Matrimonial (Socio-Economic) Choise and Bradford's Law: A Study. With Prof. B.K.Sen. Library Herald. 54, 3; September 2016. 290-300. ISSN:0024-2292
2. Publication of Rabindranath Tagore: Bibliometric Search. Granthagar. 66,8; November. 2016. 4-14 p. ISSN: 0017-324x.
3. Indoor Aeromicroflora at Institute of Agriculture Library (Visva-Bharati): A Study. SRELS journal of information Management. 54,1; February 2017, p.29-33. ISSN: 0972-2467 (Print), 0976-2477 (Online).
4. Knowledge Dissemination and Development: Tagorean Perspective. Library Herald. 55,1; March 2017, p.44-52. ISSN:0024-2292

Soil Testing Laboratory

The Soil Testing Laboratory of Palli Siksha Bhavana deals mainly with the assessment of soil fertility status of agricultural soils of this region. It provides guidelines to the stakeholders for nutrient application to the crops. The vermicomposting unit of the soil testing laboratory is recycling the organic wastes into enriched manures. Soil Testing Laboratory is now facing an acute shortage of manpower.

The analysis of soil under centrally sponsored 'Soil Health Card Scheme' is going on smoothly. Under this scheme 66997 soil samples from 19 Blocks of Birbhum District have been analysed and 'Soil Health Cards' have been generated.

Rathindra Krishi Vigyan Kendra (RKVK)

The Rathindra Krishi Vigyan Kendra (popularly known as Rathindra KVK) has organized 128 numbers of Training Courses involving 3942 numbers of Trainees (practicing farmers, farm women, rural youths, extension functionaries etc.) in the year of 2016-17. Among the above mentioned Training Programmes, the Rathindra KVK has organized 9 numbers of long duration, residential skill and entrepreneurship development training programmes involving 236 numbers of unemployed Rural Youths and among these 9 Training Programmes 2 Training Programmes was sponsored by the National Skill Development Council (NSDC) and Agricultural Skill Council of India (ASCI) and 2 Training Programmes was sponsored by the National Skill Development Council (NSDC) and Agricultural Skill Council of India (ASCI) and 2 Training Programmes was sponsored by the National Fisheries Development Board (NFDB).

In the year of 2016-17, the Rathindra KVK has also conducted 12 numbers of On Farm Trial (OFTs) on various new products, technologies, processes etc. developed by the National Agricultural Research and Extension System (NARES) involving 152 numbers of partner farmers. The Rathindra KVK has also organized 448 numbers of Front line Demonstrations (FLDs) on successful products, technologies, processes etc. Coming out from the previous OFTs on 448 numbers of partner farmers' plots throughout the District of Birbhum. The Rathindra KVK has also conducted Cluster Front Line Demonstrations (CLFDs) on Pulse and Oilseeds on 200 hectares of land involving 652 partner farmers of various Community Development Blocks of Birbhum District.

The Rathindra KVK has also organized 368 numbers of Extension Activities involving 40,907 numbers of stakeholders and the activities included Programmes on Pradhan Mantri FasalBima Yojana (PMFBY), "SwacchataPakhwada", "Vigilance Awareness Week", "Parthenium Awareness Week", "Freedom Fortnight", "Swaccha Bharat Abhiyan", "VigyanDiwas", "Technology Week - 2017", "Farmers - Scientists Interaction, "FarmersFair and Exhibition", "Tribal Sub Plan" etc. in 2016-17.

The Scientists of the Rathindra Krishi Vigyan Kendra has directed 15 numbers of Radio Talks and 18 numbers of Television shows broadcasted and telecast through All India Radio, Doordarshan, E-TV News etc Channels on various improved methodologies, products and technologies related with agriculture and related sector. The Scientists of the Kendra has also published 27 numbers of Extension Literatures on various Technologies for the benefit of the farming community. The Scientists of the Kendra has also published 15 numbers of high quality research papers published in various National and International Peer Reviewed Journals, Books, Seminars, Symposiums, Conferences etc.

The Kendra has also produced 10.11 quintals of Truthfully Labelled (TL) seeds of various cereal, pulse, oilseed, tuber crops in its Instructional Farm, 9064 numbers of quality planting materials different vegetables, 40 numbers of Advanced Growers of Poultry Breed Rhode Island Red (RIR), 4,00,000 numbers of Fish Spawns of Catla (Catlacatla) and 1,00,000 numbers of Fish Spawns of Mrighel (Cirrhinusmrighala) in its various Demonstration Units.

DEPARTMENT OF AGRONOMY

1. Name of the Department: AGRONOMY
2. Name of the students qualified in UGC/ CSIR/ NET/ SLET and GATE Examinations: NIL
3. Departmental Seminar: NIL
4. National and International standard Conference/Seminar/Workshop/ Exhibition etc. attended:

A.K. Barik

1. Attended National Seminar on Nutrition and Wellness organized by Physical Education Unit of Palli Siksha Bhavana, Visva-Bharti, 5-7, November, 2016.
2. Attended National Conference on Self sufficiency in pulses; Challenges and way forward, organized by Visva-Bharati nad Bengal Chamber of Commerce and Industry, 19-20, November, 2016.
3. Attended First International Conference of SBEAR during 4-6 February, 2017.

B. Duary

1. Attended National Seminar on Nutrition and Wellness organized by Physical Education Unit of Palli Siksha Bhavana, Visva-Bharti, 5-7, November, 2016.
2. Attended National Conference on Self sufficiency in pulses; Challenges and way forward, organized by Visva-Bharati nad Bengal Chamber of Commerce and Industry, 19-20, November, 2016.
3. Attended and presented a paper in International Symposium on Eco-Efficiency in Agriculture & Allied Research organised by Crop and Weed Science Society (CWSS) at Farmers' Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, 20-23, January, 2017.
4. Attended First International Conference of SBEAR during 4-6 February, 2017.
5. Attended and presented a lead paper in Biennial Conference on "Doubling the Farmer's income in 2022" organised by ISWS at MPUA&T, Udaipur, Rajasthan, 1-3, March, 2017.

G.C. Malik

1. Participated, presented paper and acted as one of the Organizing Secretary of the 4th IPNI, Research Cooperator's meet, 2016 organized by Visva-Bharati in collaboration with IPNI at Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal during 8th April-9th April, 2016.
2. Participated and presented paper in 4th International Agronomy Congress on "Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge", at ICAR-IARI, Pusa Campus, New Delhi, India during November 22-26, 2016.
3. Participated and presented paper in Frontiers of Potassium Science Conference, at Rome, Italy, during January 25-27, 2017.

(Mrs.) M. Banerjee

1. Participated, presented paper and acted as one of the Organizing Secretary of the 4th IPNI, Research Cooperator's meet, 2016 organized by Visva-Bharati in collaboration with IPNI at Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal during 8th April-9th April, 2016.

2. Participated and presented paper in 4th International Agronomy Congress on "Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge", at ICAR-IARI, Pusa Campus, New Delhi, India during November 22-26, 2016.
3. Participated and presented paper in Frontiers of Potassium Science Conference, at Rome, Italy, during January 25-27, 2017.
4. Attended National workshop on Counselling conducted by the Office of the Director, PSNS, Visva-Bharati, at Santiniketan during 09.02.2017 to 11.02.2017.

P. Ghosh

1. National Seminar on 'Soil Health: Key to Sustainable Agriculture(SHKSA)' on November 14-15, 2015 at Palli Siksha Bhavana(Institute of Agriculture), Visva-Bharati, Sriniketan, West Bengal
2. National Seminar on 'Sustainable Agriculture for Food Security and Better Environment' on December 17 - 18, 2015 at Farmers' Academy and Convention Centre(FACC), BCKV, Kalyani, West Bengal
3. International Symposium on 'Eco-efficiency in Agriculture and Allied Research' on January 20-23, 2017 at Farmers' Academy and Convention Centre(FACC), BCKV, Kalyani, West Bengal
4. 1st International Conference on 'Bio-resource, Environment and Agricultural Sciences(ICBEAS)' on 4-6 February, 2017 at Visva-Bharati, Santiniketan, West Bengal, India
5. National Symposium on 'Agriculture and Food Production - Today and Tomorrow' on February 22 - 24 , 2017 at Institute of Agricultural Science, University of Calcutta, Kolkata

5. Ongoing Research Projects

Name of the faculty	Name of the Project	Sponsoring Agencies	Amount Sanctioned
A.K. Barik	Effect of zinc and boron on seed production potentiality of oat under red and lateritic soil of West Bengal	AICRP on Forage Crops & Utilization (ICAR), IGFRI, Jhansi, U.P.	Rs. 25000
	Seed production potentiality of fodder maize as influenced by Zinc and Boron under red and lateritic soil of West Bengal	AICRP on Forage Crops & Utilization (ICAR), IGFRI, Jhansi, U.P.	Rs.25,000
	Production of Pesticide Free End product and Development of a Steady Supply Chain from Farmers to Consumer towards Formulation of a self- Sustainable Agro-Economic Model in Bahadurpur Village, Ruppur Gram Panchayet, Bolpur, Birbhum, W.B.	NABARD	Rs. 4,14,000
	Enhancing food and nutritional security and improved livelihoods through intensification of rice fallow system with pulse crop.... West Bengal sponsored by ICARDA Project for South Asia on Pulses for the year 2016-17.	The International Fund for Agricultural Development (IFAD)- International Centre for Agricultural Research in the Dry Areas (ICARDA)	17,265 USD

B. Duary	Ecological and Sustainable Management of Rice based Production System (ESMRPS)	International Rice Research Institute, Phillipines	7000 USD per season
	Improved Crop Management and strengthened Seed Supply System for Drought prone rainfed lowlands in South Asia (ICMSDSA)	International Rice Research Institute, Phillipines	7000 USD per season
	BCDS Project	Crystal Crop Protection Private Limited Delhi	Rs. 7.70 lakhs
	BMS Project	Crystal Crop Protection Private Limited , Delhi	Rs. 4.40 lakhs
	BIS Project	Crystal Crop Protection Private Limited , Delhi	Rs.7.48 lakhs
	EBP Project	PI Industries Pvt. Limited, Gurgaon	Rs. 4.62 lakhs
G.C Malik	Bio-efficacy study of different agro-chemicals in field crops.	Sumitumo Chemical India Limited	7.20 lakhs
	Bio-efficacy study of different agrochemicals in field crops	SDS Ramcides Crop Science Private Limited	6.30 lakhs
	Evaluation of some new formulations of agro-chemicals in different crops	Sulphur Mills Limited	4.00 lakhs
	Bio-efficacy study of different agrochemicals in field crops	Agropack	2.40 lakhs
	Efficacy of new agro-chemical formulations in different crops	Gowan India	2.00 lakhs
	Bio-efficacy study of different agrochemicals in field crops	BEIJING LUCKYSTAR CHEMICALS PVT LTD	4.80 lakhs
	Bio-efficacy study of different agrochemicals in field crops	Crystal Crop Protection Pvt. Ltd.	4.80 lakhs
	Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario"	SYNGENTA India Ltd.	7.55 lakhs
K. Pramanik	Evaluation of bio-efficacy, phytotoxicity and residue of GOD - I002 10% EC against insect-pest in different vegetable crops	Godrej Agrovvet Limited	11.50 lakhs
	To evaluate the effects of Toggle on yield and quality of potato crop	Acadian Sea plants Ltd.	3.45 lakhs
	Study on Bio-Efficacy and Phytotoxicity analysis of AKJ 20 in Wheat Crop	Willowood Chemicals Pvt. Ltd	3.9 laks
	Study on Bio-Efficacy and	Willowood Chemicals	3.9 lakhs

	Phytotoxicity analysis of RS 2000 in Direct Sown Paddy Crop and onion	Pvt. Ltd	
M. Banerjee	Bio-efficacy study of different agro-chemicals in field crops.	Sumitumo Chemical India Ltd.	Rs.7.20 lakhs
	Bio-efficacy study of different agrochemicals in field crops	SDS Ramcides Crop Science Private Limited	Rs.6.30 lakhs
	Evaluation of some new formulations of agro-chemicals in different crops	Sulphur Mills Limited	Rs.4.00 lakhs
	Bio-efficacy study of different agrochemicals in field crops	Agropack	Rs.2.4 lakhs
	Efficacy of new agro-chemical formulations in different crops	Gowan India	Rs.2.00 lakhs
	Bio-efficacy study of different agrochemicals in field crops	BEIJING LUCKYSTAR CHEMICALS PVT LTD	Rs.4.80 lakhs
	Bio-efficacy study of different agrochemicals in field crops	Crystal Crop Protection Pvt. Ltd.	Rs.4.80 lakhs
S. K. Maity	Collaborative Research Programme on Evaluation of Rice Hybrids Developed by Bayer BioScience Pvt. Ltd.	Bayer BioScience Pvt. Ltd., Kolkata	2.58 Lakh

6. Extension activities:

A.K.Barik

- i. Delivered a lecture on "Pulse Seed Production Technology" on 09.12.2016 in one day Farmers' training programme on Integrated Pest Management Practices and other chemicals for Seed farmers, organized by Palli Siksha Bhavana in collaboration with Hindustan Insecticides Limited.

B.K. Saren

- ii. Delivered an invited lecture on "Improved packages of practices in pulses" on 04.10.2016 in Celebration of International year of Pulses-2016 organized by Ramkrishna Mission Vivekananda University, Sonarpur, South 24 Parganas, Kolkata-700150.
- iii. Delivered a lecture on " Jute Seed Production" on 09.12.2016 in one day Farmers' training programme on Integrated Pest Management Practices and other chemicals for Seed farmers, organized by Palli Siksha Bhavana in collaboration with Hindustan Insecticides Limited.
- iv. Delivered a lecture on "Onion cultivation" on 16.01.2017 in one day Farmers' Training under ATMA at Block Krishi Mela ground conducted by Assistant Director of Agriculture (Adm.), Bolpur- Sriniketan Block, Birbhum.

B. Duary

Lecture delivered/organized workshop etc.:

- i. Imparted training and delivered lecture on Weed management in rice and vegetable crops on 27.07.2016 in ATMA Training meeting under Biovillage Awareness Campaign organised by Assistant Director of Agriculture (Admin), Nalhati -1, Birbhum on 27.07.16.
- ii. Imparted training and delivered lecture on Weed management in rabi crops and vegetables

- crops on 28.12.2016 in One day training programme on rabi crops under ATMA (NMAET) (2016-17) organised by Assistant Director of Agriculture (Admin), Nandur, Birbhum on 28.12.17.
- iii. Delivered Lecture on Scope and prospects of Organic Farming in West Bengal on 12.01.2017 in Mati Utsav 2017 at Burdwan organized by Department of Agriculture, Govt. of West Bengal.
 - iv. Delivered Lecture as a Special Guest on Challenges in agriculture and way out for future on 08.02.2017 in Krishi Mela 2017 at Kamarpukur organized by Kamarpukur Ramkrishna Mission and Math, Hooghly.
 - v. Imparted training and delivered Lecture on Weed management in organic Agriculture biologically and crop rotation etc on 08.02.2017 in Krishi Mela 2017 at Kamarpukur organized by Kamarpukur Ramkrishna Mission and Math, Hooghly.
 - vi. Imparted training and delivered lecture on Weed management in boro rice and pre-kharif crops including vegetables on 07.3.2017 in One day training programme on boro rice cultivation under ATMA (NMAET) (2016-17) organised by Assistant Director of Agriculture (Admin), Nandur, Birbhum on 07.3.17

T.V. Programme

- i. Recording (05.9.2016) and Broadcasting (20.9.2016, 22.09.2016 and 23.09.2016) a Discussion Programme on "Management of early potato" by Dooradarshan, Santiniketan

Radio Programme:

- i. Recording and broadcasting a Programme on 'Conservation Agriculture' recording on 20.04.2016 and broadcasting on 26.4.2016
- ii. Recording and broadcasting a Live Phone-in Programme on 'Weed problem in rainy season and its management on 02.07.2016.

G.C. Malik

Radio/TV programme

- i. Participated in a live phone in programme on "Improved cultivation practices of potato" for Kisan Bani Programme of FM Radio, Santiniketan.
- ii. Participated in a live phone in programme on "Contingency planning" for Kisan Bani Programme of FM Radio, Santiniketan.
- iii. Acting as Deputy Proctor, Sriniketan-Binaya Bhavana campus, Visva-Bharati.

S.K. Maity

- i. Imparted three numbers of training to farmers and extension officers as resource persons organized by Department of Agriculture in Birbhum district under Bio-village awareness programme and NMOOP programme.
- ii. Delivered number of talks on different topics in Kissan Vani programme in AIR and Krishi Darshan programme of Door Darshan.

M. Banerjee

Radio/TV programme

- i. Participated in a live phone in programme on "Improved cultivation practices of Rabi pulse" for Kisan Bani Programme of FM Radio, Santiniketan.
- ii. Participated in a live phone in programme on "Improved cultivation practices of Boro Rice" for Kisan Bani Programme of FM Radio, Santiniketan.

- iii. Participated in a recorded programme on Border Crop organized by Dooradarshan Kendra, Kolkata
- iv. Participated in a recorded programme on Cultivation potentialities on unused land organized by Dooradarshan Kendra, Kolkata
- v. Acting as NSS Programme officer.
- vi. Acting as PG coordinator, Agronomy

Academic Distinctions:

A.K. Barik

- i. HOD, Dept. of Agronomy, PSB.
- ii. BOS External member, Dept. of Agronomy, BCKV, Mohanpur, Nadia, W.B.
- iii. Supervised one M.Sc.(Ag.) Agronomy student for thesis work.
- iv. Acting as referee for review of research papers in National and International Journals.
- v. Acted as Farm Advisor, Agricultural Farm, PSB, VB, Sriniketan.
- vi. Acted as paper setter and evaluator in various courses of agriculture, appointed by OUAT, Bhubaneswar, Odisha; BAU, Kanke, Ranchi, Jharkhand, UBKV, Coochbehar, West Bengal and BCKV, Mohanpur, W.B.
- vii. Appointed as external examiner for viva-voce examination of M.Sc.(Ag.) thesis at BCKV, Mohanpur, Nadia, West Bengal
- viii. Life member of Indian Society of Agronomy, New Delhi.
- ix. Life member of Indian Society of Forage crops, Hisar.
- x. Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore.

B. Duary

- i. ISWS Fellow Award 2015 (Awarded in March, 2017) from Indian Society of Weed Science, ICAR-DWR, Jabalpur.
- ii. CWSS Fellow Award 2015 (Awarded in 2016) from Crop and Weed Science Society, Bidhan Chandra Krishi Viswavidyalaya (BCKV).
- iii. Councilor of Indian Society of Weed Science from West Bengal (2015-16).
- iv. Referee of four Professional Journals
- v. Ph.D. students awarded : 03
- vi. Life member of
 - a) International Weed Science Society
 - b) Asia Pacific Weed Science Society (APWSS)
 - c) Indian Society of Agronomy
 - d) Indian Society of Weed Science
 - e) Indian Society of Agricultural Sciences
 - f) Crop and Weed Science Society
 - g) The Agricultural Society of India, Kolkata.
 - h) Indian Science Congress Association
 - i) International Society of Bioresource Environment and Agricultural Science

G.C. Malik

- i. Ph.D. students awarded: 2

K. Pramanik

- i. Life Member of Indian Society of Agronomy, IARI, New Delhi
- ii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- iii. Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- iv. Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha
- v. Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- vi. UG coordinator, PalliSikahaBhavana
- vii. Member of Central Admission Committee, Visva-Bharati.
- viii. Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan
- ix. Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- x. Acted as an external examiner of different universities viz. BCKV, Mohanpur, UBKV, Pundibari and OUAT, Bhubaneswar
- xi. Acted as paper setter of BCKV, Mohanpur, UBKV, Pundibari and OUAT, Bhubaneswar

S.K. Maity

1. Participated massive open online course (MOOC) on "Competency Enhancement for Effective Teaching" during Nov-Dec, 2016 organized by NAARM, Hyderabad

Dr. (Mrs.) M. Banerjee

- i. Ph.D. students awarded: 3

8. Publications:

A.K. Barik

1. Kundu,C.K.,Bandopadhyay, S.,Koireng,R.J.,Barik,A.K.,Bera,P.S. and Das,H.2016. Comparative efficacy of nitrogen level and promising entries in forage oats. *Advances in Life Sciences*, 5(11):4586-4592.
2. Barik,A.K., Karmakar,M and Ghorai,S.K. 2016. Studies on the effect of crop geometry and nutrient management on productivity and economics of baby corn and cowpea (fodder) intercropping system. *International Journal of Bio-resource and Stress management*, 7(2):305-309
3. Seal, A., Datta,A., Saha,S., Chatterjee, A.K., Barik, A.K., Bhattacharya,S., Levin, Y., Nain,A.S.,Asthana, A and Bera, R. 2016. Soil microbial rejuvenation through soil resource recycling as a part of sustainable management programme: A case study from lakhipara Tea Estate, Doors, West Bengal, India. *Journal of Agriculture Science and Technology*, 5(2): 18-34.
4. Seal, A., Datta,A., Saha,S., Roy Chowdhury, R., Chatterjee, A.K., Barik, A.K., Majumdar, D. and Bera, R. 2016. Evaluation of compost quality under Novkom composting method using wheat flour mill waste as raw material. *Research & Reviews: Journal of Crop Science and Technology* 5(2): 1-6.
5. Bera, R., Seal, A., Datta,A., Saha,S.,Dolui,A.K., Sarkar,R.K., Chatterjee, A.K., Barik, A.K.,De,G.C and Majumdar, D. 2016. Self-generated microbial population or cultured microflora-an important criterion toward development of an effective and economically viable road map for organic soil management. *Archives of Agronomy and Soil Science*-2016.

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11. Seal, A., Bera, R., Datta,A., Saha,S., Roy Chowdhury, R., Chatterjee, A.K., Barik, A.K., Majumdar, D. Dolui, A.K. and Sarkar,R.K. 2017. Evaluation of different organic "Packages of Practice" in young tea plantation : A case study under FAO-CFC-TBI project at Maud Tea Estate, Assam, India. *Research & Reviews: Journal of Crop Science and Technology* 6(1): 10-16.

D B. Duary

Book Chapter: (9)

1. Chakraborty, N.R., Duary, B., Debnath, S., Paul, A. and Bhattacharya, S. (2016). Conservation of land races and wild relatives of crops for sustainable family farming and food security. In: *family Farming- Challenges and OIpportunities*, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi pp. 35-42. ISBN- 978-93-85502-22-4
2. Teja K. C., Duary, B., Swain, K.C. and Dash, S. (2016). Conservation Agriculture: An approach to achieve livelihood security of small and marginal farmers in West Bengal. In: *family Farming- Challenges and OIpportunities*, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp. 62-70. ISBN- 978-93-85502-22-4
3. Duary, B., K. Charan Teja, Bhowmick, M. K. and Chakraborty, N. R (2016). Relay cropping of rapeseed: A viable agro technique for system intensification and higher family income of small and marginal farmers in eastern India. In: *family Farming- Challenges and OIpportunities*, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp. 179-187. ISBN- 978-93-85502-22-4
4. Bhowmick, M. K., Duary, B., Bhattacharya, P. and Dhara, M. C. (2016). Drum seeding technology: A viable option for resource- poor farmers towards profitable rice production in West Bengal. In: *family Farming- Challenges and OIpportunities*, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp.

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5. Duary, B., Bhowmick, M.K. and Chowdhury, A. (2016). Weed management in vegetable crops. In: High-Tech Vegetable Cultivation, eds. A. Chowdhury. Institute of Agricultural Sciences, University of Calcutta, pp. 73-82. ISBN- 978-93-5258-582-3.
 6. Dash, S., Panda, D., Duary, B., B. Behera and D. Sethi (2016). Various Physiological role of potassium; special emphasis on potato: A Review. In: Trailing The Footprints of Nutrition and Wellness: ERntraping Foothold of Healthy Nation, eds. S. Chowdhury, D. Sarkar, B. Mondal, A. Mukherjee and K. Chatterjee. Anand Prakashan. pp. 327-338. ISBN- 978-81-88904-88-4.
 7. Duary, B. and Bhowmik, P.C. (2016). Perennial weeds and their management. In: Weed Science and Management. Eds. N. T. Yaduraju, A. R. Sharma and T. K Das. Indian Society of Weed Science, Jabalpur and Indian Society of Agronomy, New Delhi. pp. 195-216. ISBN No. 13: 978-81-931978-9-9.
 8. Dash, Subhprada, Duary, B., CharanTeja, K. and Malik, T. (2016). Sustainable weed management strategies in rice for small and marginal farmers. In: Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development Vol II. Eds. Bholanath Mondal, Bapi Das, Adani Lokho, Goutam Mondal, G. C. Malik and Sanjoy Ghosh. New Delhi Publishers, pp.163-171.
 9. Chakraborty, N. R., Duary, B., Bhattacharya, S. and Panda, D. (2016). Development of Climate Ready Crop for Food Security. In: Green Energy and Sustainable Environment. Eds. Shibani Chaudhury, Amit Kumar Hazra and Srinivasan Balachandran. Akshar Prakashni, pp.153-171.

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- i. Duary, B. Dash, S. and Teja K. C. (2016). Impact of tillage on seed bank, population dynamics and management of weeds. *Satsa Mukhopatra* 20:104-112.
- ii. Chakraborti, M., Duary, B. and Datta, M. (2015). Effective weed management practices to enhance the yield of direct seeded rice (*Oryza sativa* L.). *Advance Research Journal of Crop Improvement* 6(2):112-115. Online ISSN:2231-640X;Print ISSN:0976-5603.
- iii. Duary, B., Teja, K. C. and Soren, U. (2015). Management of composite weed flora of transplanted rice by herbicides. *Indian Journal of Weed Science* 47(4):349-352.
- iv. Mukherjee, A. and Duary, B. (2016). Distribution pattern of weedy rice in wet season rice crop in the red and lateritic belt of West Bengal. *International Journal of Bio-Resource, Environment and Agricultural Sciences* 2(2) :302-308.
- v. Das, S. Muherjee, S., Kundu, R., Bhattacharyya, P., Duary, B. and Bhattacharya, S. S. (2016). Variations in soil alter availability of carlinoside: an anti-hepatitic compound from *Cajanus cajan* (Linn.) leaves. *Current Science* 110 (11), 10th June, 2016. 2148-2154.
- vi. Das, Subhasish, Teja, K. C., Duary, B., Agrawal, P. K., Bhattacharya, S. S. (2016). Impact of nutrient management, soil type and location on the accumulation of capsaicin in *Capsicum chinense* (Jacq.): One of the hottest chili in the world. *Scientia Horticulturae* 213(2016):354-366. <http://dx.doi.org/10.1016/j.scienta.2016.10.041> 0304-4238/© 2016 Elsevier B.V.
- vii. Swain, K. C., Duary, B. and Singha, C. (2016). Application of nano-materials and nano-technology in Agriculture. *Journal of Agroecology and Natural resource management* 3(3):284-287.
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- ix. Teja, K. C., Duary, B. and Dash, Subhprada. 2016. Sole and combined application of herbicides on composite weed flora of transplanted rice. *Indian Journal of Weed Science* 48(3):254-258.
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 - xi. Bhowmick, M. K., Duary, B. and Bhattacharyya, P. (2017). Evaluation of conventional and climate-resilient methods of crop establishment towards higher productivity of rice varieties. *Satasa Mukhopatra - Annual Technical Issue*, 21:194-199.

G.C. Malik

1. Das, S, Malik, G.C., Banerjee, M and Sethi, D. (2016). Effect of different weed Management Practices in Boro Rice cultivation. *Advances in Life Sciences*.5(4):1351-1355.
2. Das, S, Malik, G.C., Banerjee, M and Sethi, D. (2016). Weed Management Practices in Summer Rice and its residual effect on Black gram. *International Journal of Farm Sciences*.6(2):19-23.
3. Das, T. , Banerjee, M., Malik, G. C., Mandal, B. (2017) Efficacy of Herbicides against Weeds in Transplanted Wet Season Rice (*Oryza Sativa* L.) *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)*.10 (5 version 1): 01-03.
4. Das, Tathagata, Mandal, Brajagopal, Banerjee, Mahua and Malik, G. C. (2017) Evaluation of bispyribac sodium and other herbicides in transplanted rice. *International Journal of Applied and Pure Science and Agriculture (IJAPSA)* 03 (4), 1-5.
5. Sharma , Loknath, Banerjee, Mahua, Malik, Ganesh C. , Anand, Vijay, Gopalakrishnan, K., Zodape, Sudhakar T., Ghosh, Arup. (2017) Sustainable agro-technology for enhancement of rice production in the red and lateritic soils using seaweed based biostimulants. *Journal of cleaner production*.149: 968-975.
6. Banerjee, M. , Maiti, D., Shankar, T. and Malik, G. C. (2017). Site-Specific Nutrient Management : A Climate- Resilient Approach for Improving Rice Productivity and Fertilizer Use Efficiency, *SATSA Mukhopatra - Annual Technical Issue* 21 : 225-231

K. Pramanik

1. Singh, N. A., Pramanik, K. Sorokhaibam, S., Nabachandra, L. and Haribhushan, A. 2016. Response of Hybrid Rice to Transplanting Date and Nitrogen Fertilization under System of Rice Intensification in Rainfed Lowland Ecosystem. *International Journal of Bio-resource and Stress Management* 7(4):855-861
2. Pramanik, K., Singh, R.K., Saren, B.K. and Maske, N.M. 2016. Effect of *Pseudomonas striata* and *Glomus fasciculatum*, phosphorus nutrition and mode of phosphorus placement to proline content, root dry weight and grain yield of Chickpea (*Cicer arietinum* L.) under rainfed condition. *J. Mycopathol, Res* 54(3) : 377-381.
3. Nayak B.R., Pramanik K., Khanda C.M., Panigrahy N., Samant P.K., Mohapatra S., Mohanty A.K., Dash A.K., Panda N., Swain S.K. 2016. Response of aerobic rice (*Oryza sativa*) to different irrigation regimes and nitrogen levels in western Odisha. *Indian Journal of Agronomy* 61(3): 321-325.

S. K. Maity

1. Shukla S K, Shee S, Maity S K, Solomon S, Awasthi S K, Gaur A, Pathak A D and Jaiswal V P. (2016). Soil Carbon Sequestration and Crop Yields in Rice-Wheat and Sugarcane-Ratoon-Wheat Cropping Systems Through Crop Residue Management and Inoculation of *Trichoderma viride* in Subtropical India. *Sugar Tech*
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3. Kumar S, Maity S K and Singh A K (2016). Effect of nitrogen management and seed priming with GA3 in summer maize (*Zea mays* L.) grown as baby corn. *Ecology, Environment and Conservation* 22 (April. Suppl.): S1-S5.

(Mrs.) M. Banerjee

1. Das, S, Malik, G.C., Banerjee, M and Sethi, D. (2016). Effect of different weed Management Practices in Boro Rice cultivation. *Advances in Life Sciences*. 5(4): 1351-1355.
2. Das, S, Malik, G.C., Banerjee, M and Sethi, D. (2016). Weed Management Practices in Summer Rice and its residual effect on Black gram. *International Journal of Farm Sciences*. 6(2): 19-23.
3. Das, T., Banerjee, M., Malik, G. C., Mandal, B. (2017) Efficacy of Herbicides against Weeds in Transplanted Wet Season Rice (*Oryza Sativa* L.) *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)*. 10 (5 version 1): 01-03.
4. Mondal, Brajagopal, Dash, Subhadrada, Sethi, D. and Banerjee. M. (2017). Effect of Different Nutrient Management on Growth and Productivity of Potato. *Advances in life sciences*. 5(7): 2697-2702.
5. Das, Tathagata, Mandal, Brajagopal, Banerjee, Mahua and Malik, G. C. (2017) Evaluation of bispyribac sodium and other herbicides in transplanted rice. *International Journal of Applied and Pure Science and Agriculture (IJAPSA)* 03 (4), 1-5.
6. Sharma, Loknath, Banerjee, Mahua, Malik, Ganesh C., Anand, Vijay, Gopalakrishnan, K., Zodape, Sudhakar T., Ghosh, Arup. (2017) Sustainable agro-technology for enhancement of rice production in the red and lateritic soils using seaweed based biostimulants. *Journal of cleaner production*. 149: 968-975.
7. Banerjee, M., Maiti, D., Shankar, T. and Malik, G. C. (2017). Site-Specific Nutrient Management : A Climate- Resilient Approach for Improving Rice Productivity and Fertilizer Use Efficiency, *SATSA Mukhapatra - Annual Technical Issue 21* : 225-231.

N.C. Sarkar

1. Maiti, R. K., Rodriguez, H. G., Sarkar, N. C. *World Vegetable And Tuber Crops: Agronomy And Post-Harvest Technology*, 2017 Academic Press
2. Maiti, R. K., Kumari, A., Thakur, A. K., Sarkar, N. C., 2016 *Bioresource and Stress Management* Springer PP 276, ISBN No 978-981-10-0994-5
3. Rodríguez, H. G., Maiti, R. K., Avendaño, E., Kumari, Ch. A., Sarkar, N. C. 2017 Pigment Content (Chlorophyll and Carotenoids) in 37 Species of Trees and Shrubs in Northeastern, Pak. *J. Bot.*, 49(1): 173-179

4. Maiti, R. K., Rodriguez, H.G., Sarkar, N.C., Kumari, A. 2017 Biodiversity in Leaf Chemistry (Pigments, Epicuticular Wax and Leaf Nutrients) in Woody Plant Species in North-eastern Mexico, a Synthesis Forest Research 5:1
5. Mengi, L., Sarkar, N. C., Verma, H., Longkumer, L. T. 2016 Influence of Different Organic Sources of Nutrient on the Productivity of Upland Rice(*Oryza sativa* L.) International Journal of Bio-resource and Stress Management 7(3):450-454
6. Sen, D., Maity, S. K., Sarkar, N. C. 2016 Studies on Existing Indigenous Rice Landraces and their Survival Strategies at Old Alluvial Region of North and South Dinajpur, West Bengal, India- A Case Study International Journal of Bio-resource and Stress Management 7(3):437-443

A BRIEF HISTORY OF THE DEPARTMENT

The activities of the Department comprise mainly of teaching, research and extension work. The Department offers teaching programme both in undergraduate and post-graduate level. The Department offers post graduate courses in M.Sc.(Ag) in Agronomy since 1977. Besides teaching and research activities, the teachers and students are involved in extension activities for solving various problems of the farmers in the locality. Recommendations are made from the findings of the investigations carried out by the Department for farmers' adoption in crop cultivation, water management, weed management, soil and fertility management, agro-techniques for improving crop quality and productivity and post harvest processing of field crops. Extensive RAWE programme is offered to the UG students.

DEPARTMENT OF 'ASEPAN'
(Agronomy, Soil Science & Ag.Chem., Ag.
Engineering, Plant Physiology & Animal Science)
A BRIEF HISTORY OF THE DEPARTMENT

Department of Soil Science & Agricultural Chemistry (ASEPAN)

The Department consists of three disciplines namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department comprise mainly of teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Institute of Agriculture (Palli Siksha Bhavana) our department also contribute courses offered in the UG program. The department has been offering one post graduate courses namely, M.Sc.(Ag) in Soil science & Agricultural Chemistry.

Besides teaching and research activities, the teachers and students are involved in extension activities for solving various problems of the farmers in the locality. Recommendations being made from the findings of the investigations carried out by the Department for farmers adoption in crop cultivation, soil and fertility management for improving crop quality and productivity, soil and water conservation. Extensive RAWE program is offered to the UG students.

2. Name of the students qualified in UGC/ CSIR/ NET/ SLET and GATE Examinations:

1. Sai Parasar Das Qualified ICAR NET & SRF (ICAR)
2. Gayatri Sahu Qualified ICAR NET & SRF (ICAR)
3. Nitin Chatterjee Qualified ICAR NET

Departmental Seminar (Speakers, Title of the Seminar, Date):

Sl.	Title of Conference /Seminar etc	Speakers	Date
1	National Conference on "Self Sufficiency in Pulses : Challenges and Way Forward" was jointly organized by Palli Siksha Bhavana, Institute of Agriculture, Visva-Bharati and the Bengal Chambers of Commerce and Industries (BCCI), Kolkata	Dr. Rajeev Kr. Varshney, Director, Centre of Excellence in Genomics, ICRIASAT, Hyderabad.; Dr. N. P. Singh, Director, IIPR, Kanpur; Prof. Karabi Datta, Calcutta University; Dr. Gautam Goswami, DST, New Delhi; Dr. Sudarshan Datta, IPNI, Kolkata; Dr. P. Dey, IISS, Bhopal; Dr. Soumitra Das, IZA, New Delhi; Dr. Uday Jha, IIPR, Kanpur; Prof. Kajal Sengupta, BCKV, Nadia; Dr. Mrinal Kanti Bose, Nitrofix, Kolkata; Mr. Sudip Sarkar, PROS, Baharampur; Dr. C.P. Nath, IIPR, Kanpur; and several others	Nov. 19-20, 2016
2	Dr. R.R. Agarwal Memorial Lecture on "Low pH Soils and their Management"	Prof. S.K. Pattanayak, OUAT, Bhubaneswar.	Sept. 2, 2016
3.	Prof. S.K. Khan Memorial Lecture on "Soil Resistance"	Prof. Biswapati Mondal, Vice-Chancellor, BCKV, Kalyani.	Sept. 2, 2016

Only National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in detail:

1. 81st Annual Convention of the Indian Society of Soil Science held at Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV), Gwalior during October 20-23, 2016. National
2. International Conference on 'Inter Drought-V' organized by ICRISAT at Hyderabad International Convention Centre (HICC), Hyderabad during February 21- 25, 2017. International
3. National Seminar on Nutrition and Wellness. November 7-8, 2016. The Physical Education Unit, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan. National
4. The National Seminar on "Relevance of Dr. B.R. Ambedkar for Inclusive Development in India" Organised by the SC, ST, OBC Employees Welfare Association of Visva-Bharati, Visva-Bharati held on April 14, 2016. National
5. National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan & Department of Animal Science, Palli-Siksha Bhavana, Visva- Bharati, Sriniketan held on December 4, 2016. National
6. The International Seminar on "Growth and Diversification in India's Emerging Economy", organized by A.K. Dasgupta Centre for Planning and Development, Department of Economics & Politics, Visva-Bharati, Santiniketan held on January 7-8, 2017. National
7. The 1st International Conference on "Bio-resource, Environment and Agricultural Sciences" Organized by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati & Society of Bio-resource, Environment and Agricultural Research, Santiniketan, held on February 04-06, 2017. International
8. National Seminar on "Maximizing fertilizer use efficiency and environmental health for posterity" on the occasion of the 4th Annual Convention of the Society for Fertilizers and Environment held on March 8, 2017 at the Integrated Rural Development and Management Faculty Centre at Narendrapur in collaboration with Krishi Vigyan Kendra, Ramakrishna Mission Vivekananda University, Narendrapur. National
9. National Conference On "Self Sufficiency in Pulses : Challenges and Way Forward" organized by Palli Siksha Bhavana, Visva-Bharati, Sriniketan in association with The Bengal Chambers of Commerce and Industries (BCCI) held on November 19-20, 2016. National
10. National workshop on "Problem of Accessibility in Elementary Education by Schedule Caste, Schedule Tribe and other backward classes : A study in Hingalganj block" & "Impact Study on sponsorship program of FADV : A study of their partner organization in West Bengal and Assam". Visva-Bharati, Santiniketan. August 17, 2016. National
11. 104th Indian Science Congress. S.V. University, Tirupati. January 3-7, 2017 National

Ongoing Research Projects in the Department

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Prof. Goutam Kr Ghosh	i. Vermicompost based Organic Farming in Tribal dominated Red and Lateritic Belt of West Bengal	DBT (Govt of W. Bengal)	Rs.9,62,940/-
	ii. Soil Health Card (SHC) Scheme since 2016	Centrally Sponsored	Rs.44,21,280/-

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department:

Extensive RAWE program is conducted to the UG students by all the faculties of the department.

Academic Distinctions gained by Teachers/Scholars of the Department as a whole (like recognition as D.S.A. or C.A.S. etc.):

Prof. A.K. Chatterjee as been acting as External Member, Board of Studies, Department of Agril. Chemistry and Soil Science, Bidhan Chandra Krishi Visvavidyalay, Mohanpur, West Bengal.

Dr. P.K. Biswas has been acting as a PG Co-coordinator of the department.

Dr. P.K. Biswas has been acting as an External Examiner/Ph.D thesis evaluator for Rajshahi University, Bangladesh and Bangladesh Agricultural University, Mymensing

Dr. P.K. Biswas acted as a member of selection committee of Public Service Commission, Government of West Bengal

Dr. P.K. Biswas acted as a paper setter and examiner of BCKV, Mohanpur, Nadia; OUAT, Bhubneswar and UBKV, Pundibari, West Bengal

Dr. M.C. Kundu has been acting as a Ph. D. Co-coordinator of the department.

Dr. M.C. Kundu has been acting as a Paper Setter/Answer Script Evaluator/External Examiner of BCKV, Mohanpur, Nadia.

Dr. Y.V. Rao has been acting as a Paper Setter/Answer Script Evaluator/External Examiner of UBKV, Coohbehar.

Publications within the year April 2016 - March 2017:

Title of Paper/Book/Chapter

1. C. Sarangi, B. Jena, G. H. Santra, G. K. Ghosh (2016) Effect of P Sources on the Sulfur Sorption Behavior in Alfisols under Groundnut. *Environment and Ecology* 34 (4D) : 2546-2550
2. Haribhushan Athokpam, Goutam Kumar Ghosh, Herojit Singh Athokpam, Shabir Hussain Wani, Somorjit Akoijam and Rakesh Ningthoujam (2016) Evaluation of some soil test methods in acid soils for available phosphorus for pea of Senapati district of Manipur (India). *International Journal of Agriculture, Environment and Biotechnology* 9(1): 63-68
3. Asif Iqbal, Suchhanda Mondal, P K Biswas, M C Kundu and G K Ghosh (2016) Effect of Nitrogen and Sulphur on yield and quality of sesame (*Sesamum indicum* L.). *Journal of Interacademia* 21 (2): 187-193.
4. G. Sahu, N. Chatterjee, M. Bera, G. K. Ghosh, S. Mondal, P. K. Biswas and M.C. Kundu. (2017). Integrated nutrient management in sesame (*Sesamum indicum*) in red and lateritic soils of West Bengal. *International Journal of Plant, Animal and Environmental Sciences*. 7 (1): 137-146.
5. C. Sarangi, B. Jena, G. H. Santra, G. K. Ghosh (2017) Effect of Phosphorus Sources on Productivity and Nutrient Use Efficiencies of Groundnut in Alfisols. *Environment and Ecology* 35 (1) : 40-45.
6. Jibanjit Sen, Sai Parasar Das, Goutam Kumar Ghosh and Gourhari Santra (2017) Nutrient Content of Cauliflower (*Brassica oleracea* L. var. botrytis) as Influenced by Lime, Boron and Farmyard Manure in Acid soil of North Central Plateau Zone of India . *Trends in Biosciences* 10(1), 240-245

7. S. P. Das, M. Bera, J. Sen, L. Malik, G. K. Ghosh, B. Saha, S. Debnath, S. B. Roy, D. Das, S. Mondal, P.K. Biswas and M.C. Kundu. (2017). Efficacy of Geotextile Jute Mulches on Yield, Soil Moisture Dynamics, Microbial Status in French Bean (*Phaseolus vulgaris* L.) - capsicum (*Capsicum annum* L.) Cropping System. *Trends in Biosciences*. 10(1): 187-190.
8. Lata Malik, Sai Parasar Das, Goutam Kumar Ghosh and Asit Kumar Pal (2017) Micro and Secondary Nutrients Status of Georeferenced Soils of Nabarangapur district, Odisha. *Trends in Biosciences* 10(1), 284-285, 2017
9. Ghosh G.K., Biswas P.K., Kundu M.C. and Mondal Suchhanda (2016). Programmes and policies to increase oilseeds production in India, pp.354-357. "Family Farming Challenges and Opportunities" Edited by Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. ISBN: 978-93-85502-22-4
10. Mondal Suchhanda, Biswas P.K., Kundu M.C. and Ghosh G.K. (2016). Importance of soil testing in family farming. pp. 82-85. "Family Farming Challenges and Opportunities" Edited by Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. ISBN: 978-93-85502-22-4
11. Y. Vasudeva Rao*, Merrine Raju. Anti-Oxidant and Proteases Activities of Seven Native Plant Sources. *International Journal of Bio-resource and Stress Management* 2016; 7(6):1346-1350.
12. Y. Vasudeva Rao. Poster presentations in seminar & conferences also causing pollution. *Environment and Development: The Challenges of Millennium*, 2016, Ed. Manjaru Sarkar (Basu). ISBN: 978-93-80736-09-9, Avenal Press. pp 236-238.
13. Suchhanda Mondal, P.K. Biswas, M.C. Kundu, and G.K. Ghosh (2016). Importance of soil testing in family farming. In: *Family Farming Challenges and Opportunities*. Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury (eds.) Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. Pp. 82-85. (ISBN No. 978-93-85502-22-4).
14. G.K. Ghosh, P.K. Biswas, M.C. Kundu and Suchhanda Mondal (2016). Programmes and policies to increase oilseeds production in India. In: *Family Farming Challenges and Opportunities*. Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury (eds.) Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. Pp. 354-357. (ISBN No. 978-93-85502-22-4).
15. Md. Hasanuzzaman, P. K. Biswas, M. C. Kundu, M. K. Bhowmick, Suchhanda Mondal, Md. Asif Iqbal, Md. Nurul Alam and Md. Kawser Ali (2016). Efficacy of soil application of boron in increasing growth and productivity of Onion (*Allium cepa* L.) in calcareous soil. In: *Family Farming Challenges and Opportunities*. Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury (eds.) Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. Pp. 103-106. (ISBN No. 978-93-85502-22-4).
16. S.R. Kashiwar, U.R. Dongarwar, Bijoya Mondal and M.C. Kundu. (2016). An overview on the groundwater recharge by rain water harvesting. *Journal of Energy Research and Environmental Technology*. 3(2):146-148.

17. Soyeb Ali, G. K. Ghosh, P.K. Biswas and M.C. Kundu. (2016). Effect of pesticides on mineral nitrogen content and soil microbial population in a lateritic soil of West Bengal. *International Journal of Plant, Animal and Environmental Sciences*. 6 (3): 27-32.
18. J. A. Bhat, M.C. Kundu, B. Mandal, and G. C. Hazra. (2017). Nature of Acidity in Alfisols, Entisols and Inceptisols in Relation to Soil Properties. *Communications in Soil Science and Plant Analysis*. 48 (4): 395-404.
19. Biswas, P.K., Pramanik, S.K., Bhattacharyya, A. and Mitra, S.R. (2017). "Studies on the fate of Swing-a ready-mix fungicide (Epoxyconazole 12.5% SC & Carbendazim 50 WP) in Paddy field". *International Journal of Plant, Animal and Environmental Sciences* 7(1):117-22
20. Bhowmick M.K., Duary B., Dhara M.C., Biswas P.K., Patra D.K., and Bhattacharyya P. (2016). "Weeds as alternate hosts of plant pathogens and their chemical management". *Journal of Interacademia*. 20(4):569-584

Designing New Course/Curriculum or any other Teaching innovations introduced by the Department. NA

A brief history of the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for the development

This department has been separated newly from a composite department called ASEPAN, and started its function from September 1, 2016. Now the department consists of three related disciplines of Agricultural Sciences, namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department are teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Palli Siksha Bhavana our department also contribute Soil Science and Biochemistry courses offered in the UG program. At present, the department has been offering one post graduate courses namely, M.Sc. (Ag) in Soil science & Agricultural Chemistry. In future, we would like to excel the research capability of the department with sophisticated instrumentation in both P.G. and Ph.D. levels

**DEPARTMENT OF GENETICS &
PLANT BREEDING AND CROP PHYSIOLOGY
PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)**

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

The following seminars/symposium/conference was attended by all the faculty members of the Department.

Participated two day IPNI Research Cooperators' Meet jointly organized by Institute of Agriculture, Palli Siksha Bhavana, Visva-Bharati and International Plant Nutrition Institute- South Asia Program at PSB, Visva-Bharati, Sriniketan, on 8th -9th April, 2016.

1st International Conference on "Bio-Resource, Environment and Agricultural Sciences (ICBEAS)" on 4-6 February, 2017 at PSB, Sriniketan, Visva-Bharati

National Seminar on "Nutrition and Wellness" organized by Physical Education Unit, Palli Siksha Bhavana, Visva-Bharati, Sriniketan during 7-8th November 2016

National Conference on "Self Sufficiency in Pulses : Challenges and Way Forward" during 19th and 20th November, 2016 at PSB, Visva-Bharati

National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS -2016)" jointly organized by Dept. of Animal Science, Palli Siksha Bhavana, Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan on 4th December, 2016.

Paresh Chandra Kole

Participated three day National Workshop on Counselling organized by Office of director-PSNS, Visva-Bharati Santiniketan, on 9th -11th Feb, 2017 at Dwija-Viram area, Santiniketan.

Nihar Ranjan Chakraborty

Participated ICAR sponsored Winter Course (21 days) on "Molecular breeding with emphasis on developing climate resilience rice varieties" at National Rice Research Institute (NRRI), Cuttack, Odisha during 02-22 November, 2016.

Participated three day National Workshop on Counselling organized by Office of director-PSNS, Visva-Bharati Santiniketan, on 9th -11th Feb, 2017 at Dwija-Viram area, Santiniketan.

Sandip Debnath

Attended 105th Orientation programme (28 days) conducted by UGC-HRDC, University of Burdwan from 1st September, 2016 to 28th September, 2016 and obtained Grade-A.

Debasish Panda

Participated and presented paper in National Seminar on Human Rights and Social Justice organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati during 13-14th April 2017.

Ongoing research projects in the Department

Amitava Paul

As PI carrying Research project entitled "Genetic improvement of sesame through induced mutation"

sponsored by DAE-BRNS, BARC, Trombay. (Total funding Rs. 19,74,900/-) for three years 2014-15 to 2016-17.

As Co-PI of the Research Project entitled "Induced mutation for early maturing, semi dwarf and high yielding lines in Aromatic rice Badshabhog" bearing sanction No. 35/14/07/2016-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India.

Nihar Ranjan Chakraborty

As Principal Investigator of the Research Project entitled "Induced mutation for early maturing, semi dwarf and high yielding lines in Aromatic rice Badshabhog" bearing sanction No. 35/14/07/2016-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India. As Co-Investigator carrying Research Project entitled "Genetic improvement of sesame through induced mutation" bearing sanction No. 35/14/09/2014-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India. (Total funding Rs. 19,74,900/-) for three years 2014-15 to 2016-17.

Sandip Debnath

As Co-Investigator carrying IFAD-ICARDA PROJECT IN SOUTH ASIA ON "Enhancing food and nutritional security and improved livelihoods through intensification of rice-fallow system with pulse crops" from October, 2016 (Funding for the 1st year was US Dollar 17,265).

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, , Visva-Bharati, Govt. of West Bengal, NGO's etc.).

Deliberation of lectures:

Television programme and radio talk:

Nihar Ranjan Chakraborty

Participated on live phone- in radio programme on "Utilization of improved seeds and varieties" organized by All India Radio, Santiniketan on 5th July, 16.

Participated on recorded radio programme on "Climate smart boro rice cultivation" organized by All India Radio, Santiniketan on 10th Dec., 2016.

Participated on live phone- in radio programme on "Utilization of improved seeds and varieties for Sesame Cultivation" organized by All India Radio, Santiniketan on 18th Feb, 17.

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.).

Paresh Chandra Kole

Reviewer of:

Brazilian Archives of Biology and Technology

Proceeding of National Academy of Sciences, Biological Sciences (NASB)

Acted as Co-Chairperson for session 'Invited Lecture' in conference on "Self Sufficiency in Pulses:

Challenges and Way Forward" during 19th and 20th November, 2016 at PSB, Visva-Bharati.
Acted as Chairman for poster session in 1st International Conference on "Bio-Resource, Environment and Agricultural Sciences (ICBEAS)" on 4-6 February, 2017 at PSB, Sriniketan, Visva-Bharati.
Acted as external examiner and paper setter of different Agricultural Universities (OUAT, Bhubaneswar and BCKV, Mohanpur)
Acted as evaluator and external examiner for M.Sc and Ph.D thesis of different Agricultural Universities (OUAT, Bhubaneswar and BCKV, Mohanpur, UBKV, Pundibari etc.)

Amitava Paul

Life member of the following societies:

Indian Society of Genetics and Plant Breeding, New Delhi

Crop and Weed Science Society, BCKV, Nadia

Biosciences & Agriculture Advancement Society, Meerut

The Indian Science Congress Association

Association for Plant Breeding and Improvement (APBI), CU, Kolkata.

Acted as external examiner and paper setter of different Agricultural Universities (OUAT, Bhubaneswar, BCKV, Mohanpur, UBKV, Pundibari)

Acted as evaluator and external examiner for M.Sc and Ph.D thesis of different Agricultural Universities (BCKV, Mohanpur, UBKV, Pundibari, Calcutta University, Kolkata and R. K. Mission and Vivekananda University of Agriculture and Rural Management, Narendrapur etc.)

Nihar Ranjan Chakraborty

Guest lecturer for Diploma course in Horticulture under Community College, Visva-Bharati, Sriniketan
Member of the Board of Studies in Environmental Studies, Visva-Bharati, Sriniketan

Acting as Warden, P.S.B. Boys' Hostel, Palli siksha Bhavana

Life member of the following:

Indian Science Congress Association (ISCA)

Association for Plant Breeding and Improvement (APBI), Kolkata

Acted as reviewer of research papers of Greener Journals, Agricultural Research Journals (ARJ), International Journal of Plant Breeding and Crop Science, Industrial Crop and Products

Sandip Debnath

Acted as reviewer of research papers of different International and National Journals.

Acted as Rapporteur for session 'Invited Lecture' in conference on "Self Sufficiency in Pulses : Challenges and Way Forward" during 19th and 20th November, 2016 at PSB, Visva-Bharati.

Debasish Panda

Life member of Indian Society for Plant Physiology, New Delhi

Life Member of Indian Society of Soil Biology and Ecology, Bengaluru

Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal

Acted as Co-Chairman for poster session in 1st International Conference on "Bio-Resource, Environment and Agricultural Sciences (ICBEAS)" on 4-6 February, 2017 at PSB, Sriniketan, Visva-Bharati.

Acted as an external examiner and paper setter of different Agricultural Universities (OUAT,

Bhubaneswar and BCKV, Mohanpur)

Editor of International Journal of Bio-resource, Environment and Agricultural Sciences (ISSN 2454-3551)

Reviewer of International Journal of Phytoremediation (Taylor & Francis)

Sananda Mondal

Acted as Rapporteur for poster session in the National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS - 2016)" jointly organized by Dept. of Animal Science, Palli Siksha Bhavana, Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan on 4th December, 2016.

Acted as Rapporteur for poster session in 1st International Conference on "Bio-Resource, Environment and Agricultural Sciences (ICBEAS)" on 4-6 February, 2017 at PSB, Sriniketan, Visva-Bharati.

Acted as an external examiner and paper setter of different Agricultural Universities (BCKV, Mohanpur and UVKV, Pundibari)

Reviewer of 5 National and International Journal

Life Member of Indian Society of Plant Physiology, IARI, New Delhi

Life Member of Crop and Weed Science Society, BCKV, Nadia, W.B

Life Member of The Indian Science Congress Association, Kolkata, W.B

Life Member of Society of Bio-resource, Environment and Agricultural Research, Sriniketan, W.B

Publications (Published during April 2016 - March 2017)

Paresh Chandra Kole

Rao, G.P. and Kole, P.C. 2016. Evaluation of Brazilian wild Hevea germplasm for cold tolerance: Genetic variability in the early mature growth. *J Forestry Res.*, 27 (4): 755-765

Singh, S.K., Kole, P.C., Misra, A.K. and Roy, Somnath. 2017. Collection and conservation of landraces of *Perilla frutescens* (Linn.) Britt. From Northeastern Hill (NEH) region of India. *Indian J. Hill Farmg.* 30(1): 21-25.

Hasib K.M. and Kole, P.C. 2017. Variability and gene action for inheritance of quantitative characters aromatic rice involving induced mutants. *Trends in Biosciences*, 10: 640-642.

Amitava Paul

Panda, Amitabh, Paul, Amitava and Mohapatra, Premananda. 2016. Genetic analysis of variability and divergence in French Bean (*Phaseolus vulgaris* L.). *International Journal of Bio-resource and Stress Management*, 7(4) : 784-790.

Panda, Amitabh, Paul, Amitava and Mohapatra, Premananda. 2017. Studies on divergence and stability in French Bean (*Phaseolus vulgaris* L.) under east and south-eastern coastal plain zone of Odisha. *The Bioscan*, 12(1) : 317-322.

Nihar Ranjan Chakraborty

Research papers

Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and Mondal, S. (2016). Bio-Energy Crops in Mitigation of Climate Change. *International Journal of Bio-resource, Environment and Agricultural Sciences*. 2(1):242-250

Book chapter

Chakraborty N.R., Duary B., Bhattacharya S., and Panda D. (2016): Development of Climate Ready Crops for Food Security. In: Green Energy and Sustainable Environment, ed. Chaudhury et. al. Akshar Prakashni, Bolpur, Santiniketan, Birbhum, ISBN: 978-81-922916-6-6, pp. 153-171.

Panda D, Mondal B, Chakraborty N R, Pramanick K (2017): Agriculture Education in an Era of Climate Change- An Indian perspective. In: Education and Development, ed. Paul S K. Arpan Publications, New Delhi, ISBN: 978-93-82135-96-8, pp 226-237.

Sandip Debnath**Book Chapter**

S Debnath. (2017). Molecular Markers in Forest Seeds. In: Forest Seed Science and Management, (Eds: Shukla, G, Pala, Nazir A., Chakravarty, S) New India Publishing Agency, New Delhi, India, ISBN: 978-93-85516-75-7, pp 169-175

Research paper

Guha, S., Debnath, S., Sharangi, A.B. (2016). Impact of different levels of cutting and dates of sowing on growth of coriander under open and protected cultivation. The Bioscan, 11(3), 1615-1620.

Debnath, S., Bhattacharyya, S., Sarkar, S and Chatterjee, M., (2017). Whole Genome Transcriptional Analysis of Rice Grown in Arsenic Contaminated Field Conditions. Trends in Biosciences 10 (2), 850-855

Debasish Panda**Book**

Panda, D. 2017. Studies OnThe Growth And Yield Of Sesame (Sesamum indicum L.). LAP Lambert Academic Publishing, Germany (ISBN 978-3-330-07301-2).

Book Chapters

Panda, D., Mondal, B., Mukherjee, A., Mondal, S., Pramanik, K. and Swain, K. C. 2016. Brahmi (Bacopa monnieri)-An Important Medicinal Plant with Immense Therapeutic Uses. In: Trailing the Footprints of Nutrition & Wellness: Entrapping Foothold of Healthy Nation(Eds.) S. Chowdhury, D. Sarkar, B. Mondal, A. Mukherjee, K. Chatterjee. Anand Prakashan, Kolkata-700007, p.319-326

Dash, S., Panda, D., Duary, B., Behera, B. and Sethi, D.2016.Various Physiological Roles of Potassium; Special Emphasis on Potato: A Review. In: Trailing the Footprints of Nutrition & Wellness: Entrapping Foothold of Healthy Nation (Eds.) S. Chowdhury, D. Sarkar, B. Mondal, A. Mukherjee, K. Chatterjee. Anand Prakashan, Kolkata-700007, p.327-338.

Panda, D., Mondal, B., Chakraborty, N. R. and Pramanik, K. 2016. Agriculture Education in an Era of Climate Change: An Indian Perspective. In: Education and Development (Eds.) S. K. Paul. Arpan Publications, New Delhi-110002, p.226-237. (ISBN 978-93-82135-96-8)

Char, R., Mondal B. and Panda, D. 2017. Traditional Herbal Medicine in Bribhum District of West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II) (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.135-140 (ISBN 978-93-85503-58-0)

Panda, D., Mondal, S., Mondal, B. and Pramanik, K. 2017. Food and Nutritional Security through Biofortification of Staple Food Crops. In: Relevance of Dr. B. R. Ambedkar for Inclusive

Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II) (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.254-264 (ISBN 978-93-85503-58-0)

Panda, D. and Mondal, B. 2017. Ecophysiological and Agricultural Significance of Indicator Plants. In: Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II) (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.265-271 (ISBN 978-93-85503-58-0)

Panda, D. Pramanik, K. and Mondal, B. Legislative Measures in India for Land Reforms, Input Management in Agriculture & Food Security: Steps towards Inclusive Growth. In: Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Volume-II) (Eds.) B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.272-282 (ISBN 978-93-85503-58-0)

Chakraborty, N.R., Duary, B., Bhattacharya, S. and Panda, D. 2016. Development of Climate Ready Crop for Food Security. In: Green Energy and Sustainable Environment (Eds.) S. Chaudhury, A.K. Hazra and S. Balachandran. Akshar Prakashni, Bolpur, Santiniketan, Birbhum, p.153-171 (ISBN 978-81-922916-6-6)

Journal Publications

Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and Mondal, S. (2016). Bio-Energy Crops in Mitigation of Climate Change. *International Journal of Bio-resource, Environment and Agricultural Sciences*. 2(1):242-250

Behera, S., Mahapatra, A. K., Mishra, P. J., Pattanayak, S. and Panda, D. 2016. Performance of Bamboo based Agri-silvicultural Systems in North Odisha, India. *International Journal of Bio-resource and Stress Management*. 7(2):218-221

Debata, D. K., Mohapatra, K. B., Panda, D. 2017. Effect of Environmental Conditions on Yield and Yield Attributing Parameters of Straw Mushroom (*Volvariella* spp.) *Environment and Ecology*. 35 (1A): 336-340

Sananda Mondal

Research papers

Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and Mondal, S. (2016). Bio-Energy Crops in Mitigation of Climate Change. *International Journal of Bio-resource, Environment and Agricultural Sciences*. 2(1):242-250

Kumar, M., Pant, B., Mondal, S. and Bose, B. (2016). Hydro and halo priming: influenced germination responses in wheat Var-HUW-468 under heavy metal stress. *Acta Physiol Plant*. 38: 217.

Kumar, S., Hemantaranjan, A., Mondal, S. and Bose, B. (2016). Impact of KNO₃ Primed Seeds on the Performance of Late Sown Sesame (*Sesamum indicum* L.). *International Journal of Bio-resource and Stress Management*. 7(4):950-954.

Mondal, S., Singh, R.P., and Bose, B. (2016). Effect of hydro and hormonal priming on seedling vigour during initial vegetative growth of rice (*Oryza sativa* L.). *International Journal of Agriculture, Environment and Biotechnology*. 9(6):1125-1130.

Book Chapter

Panda, D., Mondal, B., Mukherjee, A., Mondal, S., Pramanik, K. and Swain, K. C. 2016. Brahmi (*Bacopa monnieri*)-An Important Medicinal Plant with Immense Therapeutic Uses. In: Trailing the Footprints of Nutrition & Wellness: Entrapping Foothold of Healthy Nation(Eds.) S. Chowdhury, D. Sarkar, B. Mondal, A. Mukherjee, K. Chatterjee. Anand Prakashan, Kolkata-700007, p.319-326

Panda, D., Mondal, S., Mondal, B. and Pramanik, K. (2017). Food and Nutritional security through biofortification of staple food crops. In: Relevance of B.R. Ambedkar for inclusive development, agriculture and sustainable rural development (Vol-II) (Eds.) B. Mondal, B. Das, A. Lokho, G. Mondal, G.C. Malik and S. Ghosh. New Delhi Publishers New Delhi-110059, p.254-264 (ISBN 978-93-85503-58-0).

Bose, B., Pant, B., Singhal, R.K., Kumar, M. and Mondal, S. (2017). Phytochrome: physiology, molecular aspects and sustainable crop production. In: Emerging Trends of Plant Physiology for Sustainable Crop Production. Apple Academic Press. Accepted (On Press).

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

Studies on agro-botanical characters of different cereals, pulses, oilseeds and vegetables crops are going on which will help identify suitable genotype(s) for direct use as variety and/ or indirect use in cross-breeding programme for utilization of heterosis effect in F1 generation or isolation of promising segregants in advanced generation of inbreeding.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The Department of GPB & CP, comprising two distinct disciplines viz. Genetics & Plant Breeding, and Crop Physiology, started functioning from November'2016. M.Sc(Ag) in Genetics and Plant Breeding started from Academic session 2015-16 with an intake capacity of six students every year. The department offers various courses on Genetics, Plant Breeding, Plant Biotechnology, Breeding Field Crops and Plant Physiology at U. G. level. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in guiding students in research work leading to M.Sc and Ph. D. degree, and extension activities. The faculty members conducted special classes exclusively for the purpose of ICAR,JRF and other competitive examinations.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

The department has planned to set up modern and well-equipped laboratories for tissue culture and molecular breeding work.

Particulars in details of the Departmental Library:

At present there is no departmental library. For detail information please see the Annual Report of Palli Siksha Bhavana.

Number of Ph. D students

Pareesh Chandra Kole: 05, Amitava Paul : 07, Nihar Ranjan Chakraborty: 4 working; 1 awarded
Sandip Debnath : 02, Debasish Panda : 04, Sananda Mondal : 04

**DEPARTMENT OF HORTICULTURE &
POST-HARVEST TECHNOLOGY
Palli Siksha Bhavana (Institute of Agriculture)**

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

Partha Sarathi Muni

22-24 February, 2017 : National Symposium on "Agriculture and Food Production Today and Tomorrow" at the Institute of Agricultural Science and delivered presidential address in the inaugural session . Also chaired session on "Horticulture and nutritional Impact, Post Harvest Technology and Value Addition"

Snehasish Chakravorty

13-14 April, 2017 National seminar on 'Human Rights and Social Justice', Visva-Bharati, West Bengal;

4th-5th February 2017: '1st International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017)', Visva-Bharati, West Bengal;

4th December 2016: National Seminar on 'Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)', Visva-Bharati, West Bengal

19-20 Nov, 2016 National Conference on 'Self Sufficiency in Pulses: Challenges and Way Forward', Visva-Bharati, West Bengal;

20-21 March, 2016 International conference on 'Renewable energy- Extension and Outreach', Visva-Bharati, West Bengal.

Goutam Mandal

16th April 2016: National Seminar on 'Relevance of Dr. B.R. Ambedkar for Inclusive Development in India' at Visva-Bharati, Santiniketan, India; participated and made presentation of two papers i). Allelopathy is a potential tool for horticultural production and crop improvement" and ii) Reduction of postharvest losses of horticultural produce for sustainable development and food security.

25th September 2016: National Seminar on Development and Challenges: Issues and Prospects organized by Amik Institute of Management Science and Technology, Durgapur, West Bengal; participated and made a presentation on Food and nutritional security through production and reduction of postharvest losses of fruits and vegetables.

22nd and 23rd November 2016: National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal; participated and made a presentation on "Food and Nutritional Security through Reduction of Postharvest Losses of Fruits and Vegetables".

4th December 2016: National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva- Bharati, Sriniketan; participated and made a presentation on Minor indigenous fruits: cheapest nutritional source for the rural people.

4th -5th February 2017: International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017) organized by Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati Sriniketan and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan, West Bengal; participated and made a presentation on Effect of post harvest treatments on storage behaviour and quality of aonla cv. Chakaiya.

Successfully completed ICAR sponsored refreshers course entitled "Canopy Architecture Management in Fruit Trees for conservation and Utilization of Natural Resources in Changing Climatic Conditions" held at ICAR-National Research Centre on Litchi, Muzafarpur in Bihar during 11th - 31st July 2016.

Joydip Mandal

25th September 2016: National Seminar on Development and Challenges: Issues and Prospects organized by Amik Institute of Management Science and Technology, Durgapur, West Bengal on 25th September made a presentation on "Heterosis Breeding in Vegetable Crops for Productivity and Quality Enhancement"

4th-5th October 2016: National Seminar on Plant, The Natural Wonder: Issues and Concern, Organized by Department of Botany Sonamukhi College Sonamukhi, Bankura, West Bengal from 4th-5th October 2016 made a presentation on "Enrichment of varietal diversity in onion (*Allium cepa* L.)"

07th -08th November 2016: 1st Regional Science and Technology congress 2016 organized by Dept. of Science and Technology Govt. of West Bengal and Bankura Christian College, Bankura from 07th -08th November 2016 made a presentation on "Performance of onion cultivars under Red and Laterite Soils of West Bengal".

15th-18th November 2016: 7th Indian Horticulture Congress on Doubling Farmers Income through Horticulture organized by The Horticultural Society of India, New Delhi, India from 15th-18th November 2016 made two presentations on "Studies on Set Production of onion (*Allium cepa* L.)" and "Sulphur Application enhanced Onion (*Allium cepa* L.) Productivity".

22nd and 23rd November 2016: National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal from 22nd and 23rd November, 2016 made a presentation on "Food and Nutritional Security through Reduction of Postharvest Losses of Fruits and Vegetables".

4th December 2016: National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva- Bharati, Sriniketan on 4th December 2016 made a presentation on 'Effect of Sulphur Application on Onion (*Allium cepa* L.) Bulb Quality'.

16th-17th December 2016: National level Seminar on Development of Spices, Medicinal and Aromatic plants and its industries in North Bengal participate as resource person funded by directorate of Arecanut and Spice Development, Department of Agriculture, Cooperation and Farmers' Welfare, Calicut, Kerala and held at Regional Research Sub Station (Old Alluvial Zone), Uttar Banga Krishi Viswavidyalaya, Mathurapur, Malda, 16-17 December, 2016.

7th-8th January, 2017: International Seminar on "Growth and Diversification in India's Emerging Economy organized by A. K. Dasgupta Centre for Planning and Development, Visva-Bharati,

Santiniketan from 7th-8th January, 2017 made a presentation on "Underutilized Vegetable Crops: Understanding, potential and Utilization".

4th-5th February 2017: 1st International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017) organized by Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati Sriniketan and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan, West Bengal on 4th -5th February 2017 made a presentation on "Defense associated changes in Taro (*Colocasia esculenta* L. Schott) leaves after challenging *Phytophthora colocasiae*"

9-11th February 2017: National Workshop on Counseling for Teachers' of 'Visva-Bharati' organized by office of the Director PSNS, Visva-Bharati, West Bengal on 9-11th February 2017.

Prahlad Deb

31 May - 3 June 2016: 5th International Symposium on Lychee, Longan and Other Sapindaceae Fruits organized by Bihar Agricultural University, Sabour, Bhagalpur Bihar, India and ISHS, Belgium; presented two papers on "Influence of different post harvest treatments on fruit quality and shelf life of litchi (cultivar Bombai)" and "Fruit set and early fruit development of litchi (cultivar Bombai) influenced by foliar application of zinc".

18-19 June 2016: National Workshop on Sustainable Mango Production: Challenges under Changing Climate in Tropics & Subtropics cum Mango Diversity Show", ICAR- Central Institute of Subtropical Horticulture, RRS Malda, Malda, West Bengal, India; delivered invited lecture on "Present scenario and future prospect of mango cultivation in semi-arid lateritic zone of West Bengal" and presented paper on "Effect of Pre-flowering Sprays of Micronutrients (Zinc and Boron) on Flowering and Fruit Set of Mango cv. Amrapali"

4-5 October 2016: National Seminar on Plant, The Natural Wonder: Issues and Concern, Organized by Department of Botany Sonamukhi College Sonamukhi, Bankura, West Bengal; delivered invited lecture on "Underutilized Plant Species for Food-cum-Nutritional Security and Medicinal Benefit"

7-8 November 2016: National Seminar on Nutrition and Wellness, organized by Physical Education Unit, Palli Siksha Bhavana, Visva-Bharati; participated and presented a paper on "Common Tribal Herbs of Semi-arid Lateritic Belt of West Bengal for Nutritional Security and Medicinal Benefit"

19-20 November 2016: National Conference on "Self Sufficiency in Pulses-Challenges and Way Forward" jointly organized by BCC and Palli Siksha Bhavana, Visva-Bharati, Sriniketan; participated and presented a paper on "Long bean, a nutritious vegetable cum pulse crop"

4 December 2016: National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva- Bharati, Sriniketan; participated and presented a paper

4-5 February 2017: 1st International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017) organized by Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati Sriniketan and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan, West Bengal; participated and presented a paper

22-24 February, 2017 : National Symposium on "Agriculture and Food Production Today and Tomorrow" organized by The Agricultural Society of India, Institute of Agricultural Science, Kolkata; presented a paper on "Effect of foliar application of zinc on Fruit set and early fruit development of

litchi (cultivar Bombai)"

Successfully completed UGC Sponsored Orientation Programme 1- 28 July, 2016, UGC- Human Resource Development Centre, University of Burdwan, Golapbag, Burdwan, West Bengal.

Ongoing research projects in the Department

Partha Sarathi Munsii

UGC -Emeritus Fellow Project on 'Survey, Evaluation and Popularization of Some Traditional Medicinal

and Aromatic Plants under Western Dry Tract of West Bengal'.

Prahlad Deb

As PI carrying Research project entitled "Effect of irradiation and packaging on Sapota fruits (*Achras zapota* L.) under different storage condition" as Investigator in-charge, funded by Department of Atomic Energy, Govt. of India (DAE/BRNS) (Total funding Rs. 30,00,000/-) for four years 2013-2017.

As PI carrying Research project entitled "Leaf Tissue Analysis Laboratory", funded by National Horticulture Mission through Dept. of Food Processing Industries and Horticulture, Govt. of West Bengal (Total funding Rs. 20,00,000/-) since 2014.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, Siksha Satra - Palli Charcha Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).

The section Horticulture takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').

Dr. Joydip Mandal was committee member in 'Halakarshana' programme, 2016.

Dr. Joydip Mandal performed as judge in "Agricultural Produce Competition" in Block Krishi Mela of Bolpur-Sriniketan Block on 16.01.2017.

Dr. Joydip Mandal act as Co-ordinator of the Exhibition at Sriniketan Annual Festival (Magh Mela), 6 to 8 February 2017.

Dr. Joydip Mandal coordinated many Farm Womens Training and Visit Programme on "Kitchen Gardening" in Department of HPHT, PSB, Sriniketan during 2017.

Delivered Invited lecture (Goutam Mandal):

17th December 2016: Delivered lecture on "Processing of Spices, Medicinal and Aromatic Crops". State level Seminar on "Development of Spices, Medicinal and Aromatic Plants and its Industries in North Bengal" to be held at Regional Research Sub-Station, Old Alluvial Zone, Manickchak, Malda, West Bengal from December 16-17, 2016.

30th March 2017: Delivered lecture on "Cultivation practices of fruits and vegetables for nutritional livelihood" cultivation and other agronomic practices" in farmer training of "FIGs, and FSGs under ATMA (NMAET)" organized by ATMA, Nanoor, Birbhum West Bengal on 23th June 2016.

20th March 2017: Delivered lecture on "Commercial production of fruits" and interact with farmers who are visiting Horticulture farm, Department of Horticulture and Post Harvest Technology, Palli Siksha Bhavana. Institute of Agriculture, Visva-Bharati, Sriniketan, Birbhum on 20th March 2017. Deliberation of lectures (Joydip Mandal):

17th June 2016: resource person for Farmers-Scientists Interaction programme on different field crops, horticultural crops, livestock and fishery and their management, marketing, post harvest technology etc. organized by Rathindra Krishi Vigyan Kendra, PSB, Visva-Bharati 17th June, 2016.

23th June 2016: Delivered lecture on "homestead vegetable cultivation and other agronomic practices" in farmer training of "FIGs, and FSGs under ATMA (NMAET)" organized by ATMA, Nanoor, Birbhum West Bengal on 23th June 2016.

30th July 2016: Delivered lecture on " Cultivation practices of Kharif season vegetables" in Farmers Training Programme on "Kharif season Vegetable cultivation and care" organized by Department of CIHAB, Visva-Bharati at Sriniketan on 30th July, 2016.

21th September 2016: Delivered lecture on "High value Vegetable Cultivation with New Technology" in Farmers' training camp-3days' duration organized by Government of West Bengal, Office of the Assistant Director of Agriculture (Admn) Durgapur Subdivision Block-II Commercial Estate: City Centre, Durgapur, West Bengal on 21th September 2016.

16th-17th December 2016: National level Seminar on Development of Spices, Medicinal and Aromatic plants and its industries in North Bengal participate as resource person funded by directorate of Arecanut and Spice Development, Department of Agriculture, Cooperation and Farmers' Welfare, Calicut, Kerala and held at Regional Research Sub Station (Old Alluvial Zone), Uttar Banga Krishi Viswavidyalaya, Mathurapur, Malda, 16-17 December, 2016.

16th January 2017: Delivered lecture on "Onion Cultivation" in one day farmers training under ATMA, 2016-17 at Block Mela Ground on 16th January 2017 organized by Government of West Bengal, Farm Information and Advisory Centre (FIAC) (ATMA), Office of the Asst. Director of Agriculture, Bolpur, Sriniketan, Birbhum.

20th March 2017: Delivered lecture on "Kitchen gardening and commercial vegetable production" and interact with farmers who are visiting Horticulture farm, Department of Horticulture and Post Harvest Technology, Palli Siksha Bhavana. Institute of Agriculture, Visva-Bharati, Sriniketan, Birbhum on 20th March 2017.

30-31st March 2017: Act as resource person and delivered a lecture on "Kitchen Gardening" in two day Workshop-cum Exhibition on "Learning to work: Hands and Experience for Sustainable Development" is being organized by Department of Education, Vinaya Bhavana, Visva Bharati, Santiniketan during 30-31st March 2017.

Prahlad Deb

8 November, 2016: "Prospect of cultivation of Fruits and Flowers in Birbhum District of West Bengal" in Farmers Training & Visit Programme, organized by IFFCO, at Co-operative Training Institute, Govt. of West Bengal, Sriniketan.

20th March 2017: Delivered lecture on "Prospect of Fruit Production in Birbhum District of West Bengal" and interact with farmers who are visiting Horticulture farm, Department of Horticulture and Post Harvest Technology, Palli Siksha Bhavana. Institute of Agriculture, Visva-Bharati, Sriniketan, Birbhum on 20th March 2017.

Television programme and radio talk:

Prahlad Deb

16 December' 2016: Television programme (Doordarshan Kendra Santiniketan) in "Krishi Darshan" on "Scope of Commercial Flower Cultivation" at 4.30 pm

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)

Partha Sarathi Munsi

Elected as President, Agricultural Society of India, Institute of Agricultural Science, Calcutta University, Kolkata.

Member of Executive Council of The Society for the Advancement of Horticulture, B.C.K.V., Kalyani, Nadia, West Bengal (since 1996).

External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.

Member of Editorial Advisory Committee for Journal of Interacademia, Kalyani, West Bengal.

External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.

Reviewer of International Journal HORT. Science.

Life Member of the following professional societies

1. Indian Science Congress Association.
2. The Agricultural Society of India.
3. The Society for the Advancement of Horticulture.
4. Indian Association of Biological Sciences.
5. The Orissa Horticultural Society.
6. Horticultural Society of India.
7. Indian Society of Ornamental Horticulture.
8. The Essential Oil Association of India.
9. Society for Promotion of Horticulture
10. International Society for Horticultural Science

Snehasish Chakravorty

External member, Board of Studies, Faculty of Horticulture, B.C.K.V.

Life Member of the following professional societies

1. The Society for the Advancement of Horticulture, Mohanpur, W.B..
2. The Indian Society of Vegetable Science, Varanasi, U.P.
3. Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
4. International Journal of Bio-Resources and Stress Management
5. The Karnataka Horticultural Society, Arabhavi, Karnataka

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in BCKV (Mohanpur, Nadia), and OUAT (Bhubaneswar, Odisha).

Goutam Mandal

Life Member of the following professional societies

1. The Horticultural Society of India
2. The Indian Science Congress Association

3. Society for Advancement of Horticulture
4. Indian Society of Arid Horticulture
5. Indian Society of Agricultural Engineers
6. International Journal of Bio-Resources and Stress Management

Acted as paper setter and external/internal examiner of different courses and/or M.Sc. thesis/comprehensive viva-voice of horticulture in UBKV, Pundibari, Cooch Behar, BCKV, Mohanpur, Nadia, Bihar Agricultural University, Sabaur and Visva-Bharati, Santiniketan.

Joydip Mondal

07th - 08th November 2016: 1st Regional Science and Technology congress 2016 organized by Dept. of Science and Technology Govt. of West Bengal and Bankura Christian College, Bankura from 07th -08th November 2016 made a presentation on "Performance of onion cultivars under Red and Laterite Soils of West Bengal" (Bagged Outstanding Paper Award).

Performed as Guest Teacher in Department of Horticulture, Institute of Agricultural Sciences, Calcutta University.

Nominated as Editor (Vegetable Science) in Editorial Board (2017) in journal "HortFlora Research Spectrum".

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in BCKV (Mohanpur, Nadia), OUAT (Chiplima, Sambalpur, Odisha), BAU (Sabour, Bihar) and Institute of Agricultural Sciences, Calcutta University (Kolkata, West Bengal).

Act as Reviewer of research papers in the journal "HortFlora Research Spectrum" (Biosciences & Agriculture Advancement Society).

Life Member of the following professional societies

1. The Horticultural Society of India, New Delhi.
2. The Indian Society of Vegetable Science, Varanasi, U.P.
3. The Society for the Advancement of Horticulture, Mohanpur, W.B.
4. The Orissa Horticultural Society, Bhubaneswar, Odisha.
5. Indian Journal of Hill Farming, Barapani, Meghalaya.
6. Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
7. Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS), Cooch Behar, W.B.
8. Biosciences & Agriculture Advancement Society (BAAS), Meerut, UP.
9. The Karnataka Horticultural Society, Arabhavi, Karnataka.

Prahlad Deb

Acting as Laboratory In-charge and Teacher In-charge Horticultural Farm, Department of CIHAB, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

1. Life Member of the following professional societies:

The Horticultural Society of India, New Delhi

The Society for Promotion of Horticulture, Bangalore

Fruit Science Society of Bangladesh, Mymensingh, Bangladesh

Hort Flora Research Spectrum, Meerut, Uttar Pradesh

Crop & Weed Science Society, BCKV, Nadia, WB

Journal of Bio-resource and Stress Management, Kolkata

Society for Bioresource, Environment and Agricultural Research

2. Founder Member of International Society for Minor Fruits, Medicinal and Aromatic Plants, Hq.: Sri Lanka

3. Member, Editorial Board, International Journal of Minor Fruits, Medicinal and Aromatic Plants

4. Member of International Society for Horticultural Sciences, Belgium

5. Acted as paper setter and examiner of different courses of horticulture in Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, W.B. and Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, W.B., Orissa University of Agriculture & Technology, Bhubaneswar, Odisha

6. Reviewer of International Journal of Agriculture Sciences (ISSN 0975-3710) and Journal of Essential Oil Bearing Plants (ISSN 0972 060X)

Publications (Published during April 2016 - March 2017)

Partha Sarathi Munsii

Swain, S., Munsii, P. S, Das, S. and Lenka P. C. 2017. Selection of the parental combinations through multivariate analysis in dessert banana genotypes for hybridization programme. International Journal of Agriculture, Environment and Biotechnology. 10(1): 1-15, Print ISSN No: 0974-1712; Online ISSN No: 2230-732X

Swain, S., Das, S., Munsii, P. S, Lenka P.C., Rout G. R. and Swain, D. 2017. Molecular diversity study on dessert banana genotypes (*Musa spp.*) from Odisha using ISSR markers. International Journal of Agriculture, Environment and Biotechnology. 9(4): 513-523, Print ISSN No: 0974-1712; Online ISSN No: 2230-732X

Snehasish Chakravorty

Research papers

Prasad, B. V. G and Chakravorty, S. 2017. Performance of Mulches and Micronutrients on Production Economics of Broccoli (*Brassica oleracea L. var. italica*). Research Journal of Agriculture Sciences, 8 (1) : 237-241.

B. V. G. Prasad, S. Chakravorty, B. K. Saren and D. Panda, 2016. Effect of mulching on pod yield and yield attributing characters of French bean (*Phaseolus vulgaris L.*) Progressive Research, 11:1865-1868

Book chapter

Prasad, B. V. G and Chakravorty, S. 2017. 'Plug tray Nursery rising technology for production of vegetable transplants' in Volume(II)-Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development, New Delhi Publishers. 220-227. ISBN:978-93-85503-58-0.

Abstracts

Prasad, B. V. G. and Chakravorty, S., Area, Production, Productivity and Export Statistics of Onion During last 5-Decade. National seminar on human rights and social justice.. OUAT, Bhubaneswar, ED-V-07(241).

Prasad, B.V.G and Chakravorty, S. 2017. Salt tolerance in Cole crops and Solanaceous Vegetables. National seminar on 'Human Rights and Social Justice', Visva-Bharati, West Bengal, pp.134.

Prasad, B.V.G and Chakravorty, S. 2017. Performance of Mulches and Micronutrients on Water use, Water use efficiency and Production Economics of Broccoli (*Brassica oleracea L var. italica*).

1st International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017), Visva-Bharati, West Bengal, 4th-5th February 2017, pp. 165.

Chakravorty, S., Prasad, B. V. G. and Lodhi, Y. K. 2016. Studies on Nutrients and Mulching in Bell Pepper. National Seminar on 'Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)', Visva-Bharati, West Bengal, 4th December 2016, pp.45.

Prasad, B.V.G and Chakravorty, S. 2016. Correlation Analysis for Pod yield in French bean. National Conference on 'Self Sufficiency in Pulses: Challenges and Way Forward', Visva-Bharati, West Bengal, pp.34.

Prasad, B.V.G and Chakravorty, S. 2016. Studies on Energy Use Efficiency and Economic Evaluation under Mulching Condition. International conference on 'Renewable energy- Extension and Outreach', Visva-Bharati, West Bengal, pp. 42.

Goutam Mandal

Research papers

Mandal G, Mathur R.K. , Sunil Kumar K. and Murugesan, P. 2015. Exploration and collection of oil palm germplasm from Little Andaman. International Journal of Bio-resource, Environment and Agricultural Sciences 1(1): 32-35.

Mandal G. 2015. Effect of lac-wax, citrashine and individual shrink wrapping of fruits on storage life of late harvested kinnow under ambient conditions. International Journal of Bio-resource, Environment and Agricultural Sciences 1(3): 84-89.

Mandal G. and Mathur R.K. 2015. Performance of segregating tenera x tenera population in oil palm. International Journal of Bio-resource, Environment and Agricultural Sciences 1(3): 108-113.

Book chapter

Goutam Mandal and Joydip Mandal. 2017. Allelopathy is a potential tool for horticultural production and crop improvement. In: Relevance of Dr B.R. Ambedkar for Inclusive Development in India, Inclusive Development Agriculture and Sustainable Rural Development. Edited by B. Mondal, B. Das Adaniloko, Goutam Mandal, G.C. Malik and Sanjoy Ghosh, New Delhi Publisher, New Delhi 110059. PP.282. ISBN: 978-93-85503-58-0 pp 213-219.

Co-editor of Book:

Relevance of Dr B.R. Ambedkar for Inclusive Development In India, Inclusive Development Agriculture and Sustainable Rural Development. Edited by B. Mondal, B. Das Adaniloko, Goutam Mandal, G.C. Malik and Sanjoy Ghosh, 2017. New Delhi Publisher, New Delhi 110059. PP.282. ISBN: 978-93-85503-58-0 (Two Vol Set).

Abstract

Goutam Mandal and Joydip Mandal. 2016. Allelopathy is a potential tool for horticultural production and crop improvement. National Seminar on 'Relevance of Dr. B.R. Ambedkar for Inclusive Development in India' at Visva-Bharati, Santiniketan, India held on 16th April 2016.

Goutam Mandal. 2016. Reduction of postharvest losses of horticultural produce for sustainable development and food security. National Seminar on 'Relevance of Dr. B.R. Ambedkar for Inclusive Development in India' at Visva-Bharati, Santiniketan, India held on 16th April 2016.

Goutam Mandal. 2016. Food and nutritional security through production and reduction of postharvest losses of fruits and vegetables. National Seminar on Development and Challenges: Issues and Prospects organized by Amik Institute of Management Science and Technology, Durgapur, West

Bengal on 25th September.

Goutam Mandal. 2016. Food and Nutritional Security through Reduction of Postharvest Losses of Fruits and Vegetables. National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal from 22nd and 23rd November, 2016.

Goutam Mandal. 2016. Minor indigenous fruits: cheapest nutritional source for the rural people. National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan on 4th December 2016.

Rocky Thokchom, Sneha, Goutam Mandal and Goutam Jangid. 2017. Effect of post harvest treatments on storage behaviour and quality of aonla cv. Chakaiya. International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017) organized by Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati Sriniketan and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan, West Bengal on 4th -5th February 2017 pp.123.

Joydip Mandal

Research papers

Kh. Swarnalata Devi, K. James Singh, A. K. Bijaya Devi, Joydip Mandal and H. Birkumar Singh. 2016. Morphological Evaluation of Taro (*Colocasia esculenta* Linn.) Genotypes Collected from Manipur State of India and their Yield Performance. *Journal of Root Crops*, 42(2): 18-23. ISSN 0378-2409, ISSN 2454-9053 (online)

Reetanjali Meher, Joydip Mandal and Smaranika Mahanta. 2016. Performance of Okra [*Abelmoschus esculentus* (Moench)] cultivars under Red and Laterite Zone of West Bengal. *Journal of Crop and Weed*, 12 (1): 142-144. ISSN 2349-9400

Joydip Mandal and P.S. Sirohi. 2016. Genetics of Yield and its Component [*Benincasa hispida* (Thumb) Cogn.]. *Hortflora Research Spectrum*, 5(3): 213-217. ISSN: 2250-2823

S. Mohanta and Joydip Mandal. 2016. Performance of watermelon (*Citrullus lanatus*) in red and laterite zone of West Bengal. *Journal of Crop and Weed*, 12(3):175-177. P ISSN: 0974-6315; E ISSN: 2349-9400

R. Meher, Joydip Mandal, D. Saha and S. Mohanta. 2016. Effect of sulphur application in onion (*Allium cepa* L.). *Journal of Crop and Weed*, 12(3):86-90. P ISSN: 0974-6315; E ISSN: 2349-9400

Rakesh Mondal, Joydip Mandal, Rambilas Mallick and Smaranika Mohanta. 2017. Study on Foliar Fertilization of Cucumber (*Cucumis sativus* L.). *HortFlora Research Spectrum*, 6(1): 31-34. ISSN: 2250-2823

Abstracts

Joydip Mandal. 2016. Heterosis Breeding in Vegetable crops for Productivity and Quality Enhancement. In: Abstracts, National Seminar on Development and Challenges: Issues and Prospects organized by Amik Institute of Management Science and Technology, Durgapur, West Bengal on 25th September 2016.

Joydip Mandal and Rajkishor Ajjalley. 2016. Enrichment of varietal diversity in onion (*Allium cepa* L.). In: Abstracts, National Seminar on "Plant, The Natural Wonder: Issues and Concern" Organized by Department of Botany Sonamukhi College Sonamukhi, Bankura, West Bengal from 4th

5th October, 2016. p 19.

Dipanwita Saha, Joydip Mandal, Rajkishor Ajgalley and Smaranika Mohanta. 2016. Variation in bulb pungency level of some onion cultivars. In: Abstracts, National Seminar on "Plant, The Natural Wonder: Issues and Concern" Organized by Department of Botany Sonamukhi College Sonamukhi, Bankura, West Bengal from 4th-5th October, 2016. p 18.

Joydip Mandal. 2016. Performance of onion cultivars under Red and Laterite Soils of West Bengal. In: Abstracts, "1st Regional Science and Technology congress 2016 in Bardhaman Division, West Bengal", jointly organized by Dept. of Science and Technology Govt. of West Bengal and Bankura Christian College, Bankura from 07th -08th November 2016. p 8.

Smaranika Mohanta and Joydip Mandal. 2016. Enrichment of vegetables diversity in homestead garden for household nutrition. In: Abstracts, National seminar on "Nutrition and Wellness" organized by The Physical Education Unit, Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati, Sriniketan, Birbhum, West Bengal from 07-08th November, 2016. p 17.

Joydip Mandal, Dipanwita Saha, Rajkishor Ajgalley, Smaranika Mohanta and Moutusi Dhar. Performance of onion (*Allium cepa* L.) cultivars under red and red Laterite zones of West Bengal. In: Abstracts, 2nd National Symposium on "Edible Alliums: Challenges and future strategies for sustainable production" organized by Indian Society of Alliums, Rajgurunagar, Pune, Maharashtra from 7-9th November. p 217.

Moutusi Dhar and Joydip Mandal and T. K. Maity. Prospects and constraints of kharif onion cultivation in West Bengal. In: Abstracts, 2nd National Symposium on "Edible Alliums: Challenges and future strategies for sustainable production" organized by Indian Society of Alliums, Rajgurunagar, Pune, Maharashtra from 7-9th November. p 218.

Joydip Mandal, Nodimbe S. Sangma and Smaranika Mohanta. 2016. Studies on Set Production of onion (*Allium cepa* L.). In: Abstracts, 7th Indian Horticulture Congress "Doubling Farmers Income through Horticulture" organized by The Horticultural Society of India, New Delhi, India from 15th-18th November 2016. p 252.

Joydip Mandal, Reetanjali Meher and Smaranika Mohanta. 2016. Sulphur Application enhanced Onion (*Allium cepa* L.) productivity. In: Abstracts, 7th Indian Horticulture Congress "Doubling Farmers Income through Horticulture" organized by The Horticultural Society of India, New Delhi, India from 15th-18th November 2016. P 332.

Smaranika Mohanta and Joydip Mandal. 2016. Performance of Tinda (*Citrullus vulgaris* var. *fistulosus* Stocks) Cultivars under red and Laterite Zone of West Bengal. In: Abstracts, 7th Indian Horticulture Congress "Doubling Farmers Income through Horticulture" organized by The Horticultural Society of India, New Delhi, India from 15th-18th November 2016. p 49.

Arkajyoti Bhattacharya and Joydip Mandal. 2016. Micronutrient Application Enhanced French bean Productivity. In: Abstracts, National Conference on "Self Sufficiency in Pulses: Challenges and Way Forward" from 19th -20th November, 2016.

Gautam Mandal and Joydip Mandal. 2016. Food and Nutritional Security through Reduction of Postharvest Losses of Fruits and Vegetables. In: Abstracts, National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal from 22nd and 23rd November, 2016. p 30.

Joydip Mandal. 2016. Hybrid Vegetable: A proven Tool for Productivity Enhancement. In: Ab-

stracts, National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya, Suri, Birbhum, West Bengal from 22nd and 23rd November, 2016. P 40.

Smaranika Mohanta and Joydip Mandal. 2016. River Bed Cultivation of Cucurbits. In: Abstracts, National Seminar on "Food Security and Urbanization Equilibrium: A sustainable Man-System Approach" organized by Birbhum Mahavidyalaya from 22nd and 23rd November, 2016. p 45.

Dipanwita Saha, Joydip Mandal, Reetanjali Meher and Smaranika Mohanta. 2016. Effect of Sulphur Application on Onion (*Allium cepa* L.) Bulb Quality. In: Abstracts, National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016) organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan on 4th December 2016.

Joydip Mandal. 2017. Underutilized Vegetable Crops: Understanding, potential and Utilization. In: Abstracts, International Seminar on "Growth and Diversification in India's Emerging Economy" organized by A. K Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan from 7th-8th January, 2017.

Moutusi Dhar, Joydip Mandal and Smaranika Mohanta. 2017. Scope of Onion Seed Production (*Allium cepa* L.) in West Bengal. In: Abstracts, International Seminar on "Growth and Diversification in India's Emerging Economy" organized by A. K Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan from 7th-8th January, 2017.

Smaranika Mohanta and Joydip Mandal. 2017. Tinda: A Lesser Known Vegetable for Eastern India. In: Abstracts, International Seminar on "Growth and Diversification in India's Emerging Economy" organized by A. K. Dasgupta Centre for Planning and Development, Visva-Bharati, Santiniketan from 7th-8th January, 2017.

Y. Indrani Devi, M. R. Sahoo, J. Mandal, M. Dasgupta, N. Prakash and S. V. Ngachan. 2017. Defense associated changes in Taro (*Colocasia esculenta* L. Schott) leaves after challenging *Phytophthora colocasiae*. In: Abstracts, International Conference on Bio-Resource, Environment and Agricultural Research (ICBEAS-2017) organized by Palli Siksha Bhavana (Institute of Agriculture) Visva-Bharati Sriniketan and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan, West Bengal from 4th -5th February 2017. P 101.

Prahlad Deb

Research papers

Banerjee, Hirak; Sarkar, Sukamal; Deb, Prahlad; Dutta, S.K.; Ray, Krishnendu; Rana, Lalita and Majumder, Kaushik (2016) Impact of Zinc Fertilization on Potato (*Solanum tuberosum* L.) Yield, Zinc Use Efficiency, Quality and Economics in Entisol of West Bengal; Journal of the Indian Society of Soil Science, 64(2):176-182

Book chapters:

De, L. C. and Deb Prahlad (2016) Protected Cultivation of Indoor Plants, In: Protected Cultivation of Ornamental Plants, Aavishkar Publishers, Jaipur, India, (ISBN: 978-81-7910-532-0), pp: 255-262

De, L. C., Deb Prahlad and Thapa, Suman (2016) Protected Cultivation of Seasonal Annuals, In: Protected Cultivation of Ornamental Plants, Aavishkar Publishers, Jaipur, India, (ISBN: 978-81-7910-532-0), pp:283-289

Deb, Prahlad (2016) Common Tribal Herbs of Semi-arid Lateritic Belt of West Bengal for Nutritional Security and Medicinal Benefit, In: Trailing the Footprints of Nutrition and Wellness: Entrapping Foothold of Healthy Nation, Anand Prakashan, Kolkata, India (ISBN: 978-81-88904-88-4), pp:310-318

Abstracts:

Deb, Prahlad and Suresh, C. P. (2016) Influence of different post harvest treatments on fruit quality and shelf life of litchi (cultivar Bombai) In: Proceedings of 5th International Symposium on Lychee, Longan and Other Sapindaceae Fruits organized by Bihar Agricultural University, Sabour, Bhagalpur Bihar, India on 31 May - 3 June 2016

Deb, Prahlad and Munsii, P. S. (2016) Fruit set and early fruit development of litchi (cultivar Bombai) influenced by foliar application of zinc, In: Proceedings of 5th International Symposium on Lychee, Longan and Other Sapindaceae Fruits organized by Bihar Agricultural University, Sabour, Bhagalpur Bihar, India on 31 May - 3 June 2016

Deb, Prahlad, Reza Soheli and Mandal, Subrata (2016) Effect of Pre-flowering Sprays of Micronutrients (Zinc and Boron) on Flowering and Fruit Set of Mango cv. Amrapali, In: Proceedings of National Workshop on Sustainable Mango Production: Challenges under Changing Climate in Tropics & Subtropics cum Mango Diversity Show", ICAR- Central Institute of Subtropical Horticulture, RRS Malda, Malda, West Bengal, India, 18-19 June 2016

Deb, Prahlad (2016) Underutilized Plant Species for Food-cum-Nutritional Security and Medicinal Benefit, In: Proceedings of National Seminar on Plant, the Natural Wonder: Issues and Concern, Organized by Department of Botany Sonamukhi College Sonamukhi, Bankura, West Bengal; 4-5 October 2016

Deb, Prahlad (2016) Common Tribal Herbs of Semi-arid Lateritic Belt of West Bengal for Nutritional Security and Medicinal Benefit, In: Proceedings of National Seminar on Nutrition and Wellness, organized by Physical Education Unit, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, 7-8 November 2016

Das, Ratan and Deb, Prahlad (2016): Long bean, a nutritious vegetable cum pulse crop, In: Proceedings of National Conference on "Self Sufficiency in Pulses-Challenges and Way Forward" jointly organized by BCC and Palli Siksha Bhavana, Visva-Bharati, Sriniketan; 19-20 November 2016

Deb, Prahlad (2017) Effect of foliar application of zinc on Fruit set and early fruit development of litchi (cultivar Bombai), In: Proceedings of National Symposium on "Agriculture and Food Production Today and Tomorrow" organized by The Agricultural Society of India, Institute of Agricultural Science, Kolkata; 22-24 February, 2017

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

'On Farm' trials on improved agro-techniques on fruit, vegetable and aromatic crops are going on as method as well as result demonstrations to the growers.

'Horticulture Research and Demonstration Unit' has been developed for doing research on Horticulture; the same unit is useful for various field-based practical at UG & PG level and imparting training to different groups of farmers on horticultural crops.

Dr. Joydip Mandal developed and maintaining a "Model Kitchen Garden", which is proved highly useful for taking UG and PG practical classes and hands on training. And also imparting training to

farmers' and farm women's of this locality.

Besides most of the faculty deliver power point presentation, supply handouts and study materials and arrange class room seminar etc.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The Department of Horticulture & Post-Harvest Technology started functioning from September, 2016. Since its inception, the department offers various courses on Horticulture and Post-Harvest aspects of horticultural crops at U. G. & P.G. level. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in various extension activities. Moreover, they are conducting Ph.D. Coursework Programme and guiding students in research work leading to Ph. D. degree.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

Some improved techniques for vegetative propagation of some fruit crops have been developed. Integrated Nutrient Management for some fruits, vegetables, flowers and medicinal plants have been standardized. Trials on organic farming and post harvest management of different horticultural crops are going on.

Dr. Joydip Mandal participated in ICAR sponsored 10 days ICAR Sponsored Short Course on "Advances in Genetic Enhancement of Underutilized Vegetable Crops" Organized by ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh during 18-27 October, 2016.

Particulars in details of the Departmental Library:

At present there is no departmental library. For detail information please see the Annual Report of Palli Siksha Bhavana.

Number of Ph. D students

Partha Sarathi Munsri (Retd.): One student obtained Ph. D. and 5 students working

Snehasish Chakravorty: One student obtained Ph.D. degree and 6 students working

Joydip Mandal: 6 (working)

Goutam Mandal: 4 (working)

Prahlad Deb: 5 (Working)

AGRICULTURAL EXTENSION

Name of the student qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Binoy Tripura, Ph.D. Scholar in Agricultural Extension qualified both UGC NET and ICAR NET.

Departmental Seminar (Speakers, Title of the Seminar, Date)

Departmental Seminar was not held

Only National and International standard Conference/Seminar/Workshop/ Exhibition, etc. attended by Teachers/Research Scholars in details.

1. Prof. Souvik Ghosh presented invited paper on 'Resilience of Agriculture in Changing Climate Scenario in West Bengal' in International Conference on "Climate Change and Bio-diversity" held at ICAR-CIARI, Port Blair during 8th to 10th December 2016.
2. Prof. Souvik Ghosh presented lead paper on 'Augmenting water resource and agricultural productivity with efficient on-farm and participatory water management in irrigation commands' in International Conference on "Bio-resource, Environment and Agricultural Sciences" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan during 4th to 6th February 2017.
3. Dr. Prabuddha Ray and Prof. Sarthak Chowdhury presented paper on 'Replacing Free Extension Services for Small Holder Farmers in Changing Exconomics: A Shift under Process' in 11th All India People's Technology Congress organized by the Forum of Scientists Engineers & Technologists from 4th to 5th February 2017.
4. Dr. Prabuddha Ray and Prof. Sarthak Chowdhury presented paper on 'Extension Paradigm Fine-tuning for Ensuring Higher Production and Productivity of Lentil in Birbhum District, West Bengal' in National Conference on "Bringing Self-sufficiency in Pulses for Eastern India" organized by Bihar Agricultural University, Sabour, Bhagalpur from 5th August to 6th August 2016.
5. Dr. (Mrs.) Anindita Saha presented a paper entitled as 'Women Empowerment and Agriculture' in National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow, Organized by Department of Animal Science, PSB, Visva-Bharati, Sriniketan and The Society of Bio-resource, Environment and Agricultural Research, Santiniketan held on 4th December, 2016.
6. Dr. (Mrs.) Anindita Saha presented a paper entitled as 'Role of Rural Women in Agriculture' in National Conference on Women and Development, Organized by Department of Lifelong Learning and Extension (REC), PSV, Visva-Bharati, Sriniketan held on 17th to 18th March, 2017.
7. Dr. (Mrs.) Anindita Saha presented a paper entitled as 'Role of Agricultural Extension in Coping with Climate Change Issues' in 36th INCA International Congress on Cartography for Analysis and Management of Climate Change, Organized by Department of Geography, Vidya- Bhavana, Visva-Bharati, Santiniketan, held on 9th to 11th November, 2016.
8. Dr. (Mrs.) Anindita Saha presented a paper entitled 'State-of the -Art of Sustainable Dairy Farming in West Bengal' in 1st International Conference on Bio-Resource, Environment and Agricultural Sciences, Organized by The Society of Bio-resource, Environment and Agricultural Research, Santiniketan and Institute of Agriculture, Visva-Bharati, Sriniketan, held on 4th to 6th February, 2017.

9. Dr. (Mrs.) Anindita Saha participated and successfully completed the ICAR sponsored Short Course on Designing Impact Evaluation for Agricultural Technologies, organized by ICAR - NRRI, Cuttack, Odisha from 1st to 10th August, 2016.

Ongoing Research Projects in the Department

- I. Name of the Teacher
- II. Name of the Project
- III. Sponsoring Agencies
- IV. Amount Sanctioned

Name of the faculty / PI	Title of the Project	Sponsoring Agency	Amount (Rs.)
Prof. Souvik Ghosh	Socio-Economic, Institutional and Gender Issues Influencing Spatiotemporal Variations and Sustainability of Participatory Irrigation Management Reforms in India (under Lal Bahadur Shastri Outstanding Young Scientist Award 2011 of ICAR) (duration 2015-2018)	ICAR-Agricultural Education Division, New Delhi	Rs. 35 lakh
Prof Souvik Ghosh	Vulnerability to Climate Change in Eastern India: Livelihood Sensitivity, Adaptation and Institutional Analyses in the Context of Extension Interventions (under Extramural Research Project of ICAR) (duration 2015-17)	ICAR-Agricultural Extension Division, New Delhi	Rs. 11.40 lakh
Dr. S.D. Mukhopadhyay	Intensive Sugarcane Development Programme (duration 1989-till date, on yearly sanction basis)	Govt. of West Bengal	Rs. 12,415 lakh (during 2016-17)

Extension activities/NSS/Cultural and other activities organised by the Department and participated by the Teachers and students of the Department

Department of Agricultural Extension has organized the demonstrations on summer season vegetables farming and rabi season vegetables farming in the Demonstration Unit, which were witnessed by the students and farmers. Field level demonstrations on cultivation of pulses and oilseeds were organized during rabi season covering about 117 farmers and 10 hectare area in 12 villages of Bolpur-Sriniketan and Illambazar blocks of West Bengal. Under these demonstrations seeds of high yielding varieties of lentil (var. Ranjan), gram (var. Mahamaya) and mustard (var. B-9) were given to the farmers to grow the crops in the areas under rice based cropping systems, where the farmers obtained an average yield of 0.65 t/ha, 0.80 t/ha and 0.90 t/ha in case of lentil, gram and mustard, respectively.

A Training Programme on Sugarcane Cultivation Process under Intensive Sugarcane Development Project (ISDP) was organized during July, 2016 in which 100 farmers from adopted villages under the project attended. Five experts from the host institute and outside organisations like State Department of Agriculture, NABARD, etc spoke on different aspects of Sugarcane Cultivation and interacted with the participating farmers.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

Prof. Souvik Ghosh was positioned as Visiting Scientist at Department of Economics, College of Agriculture and Biological Sciences, South Dakota State University, Brookings, SD, USA (September 1 to October 31, 2016).

MOBILIZATION Fellow Award 2016 of Society for Community Mobilization and Sustainable Development, ICAR-IARI, New Delhi was conferred to Prof. Souvik Ghosh.

Best Paper Presentation Award in International Conference on "Climate Change and Bio-diversity" held at ICAR-CIARI, Port Blair during 8-10 December 2016 was given to Prof. Souvik Ghosh for the paper on "Resilience of Agriculture in Changing Climate Scenario in West Bengal". Prof. Sarthak Chowdhury has been selected as External Member in Board of Studies of Department of Agricultural Extension, Bidhan Chandra Krishi Viswa Vidyalaya, Mohanpur, Nadia, West Bengal during 2015-17.

Prof. Sarthak Chowdhury has acted as Patron in International and National Conferences, Seminars, etc. during 2016-17.

Prof. Sarthak Chowdhury acted as Chairman of the Session "Socio-economic concerns, policy implications through public private partnership" held on 22nd January 2017 during International Symposium on "Eco-Efficiency in Agriculture and Allied Research" organized by Crop and Weed Science Society, Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani, Nadia, West Bengal from 20th to 23rd January 2017.

Publications within the year April 2016 - March 2017

i) Text books ii) Other books iii) Monographs iv) Research Papers (Author(s), title of Paper, year of journal volume No., Pages) v) Number of paper published in Peer/reviewed journals: National/International

i) Text Books Nil

ii) Other Books

1. Mukhopadhyay, S.D.; Dash, S.R.; Acharya, S.K; Raj, R.K. and Mishra, G.C. (2017). Watershed Development for Tribal People: The Approach and Impact. Krishi Sanskriti Publications, New Delhi (ISBN 978-93-85822-31-5).
2. Bhattacharjee (Biswas), S., Saha, A. and Das Gupta, D. (2016). Sustainable Development through tertiary level Environmental Studies. Agrobios Publisher, Jodhpur (ISBN: 978-81- 7754-627-9).
3. Chowdhury, Sarthak; Sarkar, Debashis; Mondal, Bitan; Mukherjee, Ashok and Chatterjee, Kallol. (2016). Trailing the Footprint of Nutrition and Wellness: Entrapping Foothold of Healthy Nation. Anand Prakashan, Kolkata (ISBN 978-81-88904-88-4).
4. Sahu, Banshi Lal and Ghosh, Souvik. (2016). SHG Approach in empowering of rural poor in

Chhattisgarh. New India Publishing Agency (NIPA), New Delhi. P155. (ISBN 978-93-85516-63-4).

5. Satpathy, B., Saha, A. and Das Gupta, D. (2016). Technological Interventions for Management of Rural Livelihood System. Agrobios Publisher, Jodhpur (ISBN: 978-81-7754-626-2).

Monographs

1. Mukhopadhyay, S.D. (2016). Practical Manual on Communication and Information Management in the Context of Entrepreneurship Development. Department of Agricultural Extension, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Page 123.
2. Mukhopadhyay, S.D. (2016). Practical Manual on Extension Management and Participatory Extension Methods. Department of Agricultural Extension, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Page 103.
3. Saha, A. (2016). Instruction Manual on Extension Training. Department of Agricultural Extension, Palli Siksha Bhavana, Visva-Bharati, Sriniketan. Page 100.

iv) Research Papers

1. Mohanty, S.; Mohanty, R.K.; Mandal, K.G.; Ghosh, Souvik; Rautray, S.K. and Kumar, A. (2016). Impact of water resources development and technology introductions on livelihood of farmers in eastern India: A case study. *Irrigation and Drainage (Wiley-Blackwell)*, 65: 724-733.
2. Subba, Smriti and Ghosh, Souvik. (2016). Knowledge Test on Large Cardamom (*Amomum subulatum*) Cultivation Practices in Sikkim. *Journal of Community Mobilization and Sustainable Development*, 11(2), 173-181.
3. Bareh, Pynphriang and Ghosh, Souvik. (2016). Self Help Group Effectiveness Index and Empowerment Index: An Analytical Approach for Monitoring and Evaluation of SHG. *Journal of Community Mobilization and Sustainable Development*, 11(2), 182-187.
4. Ghosh, Souvik; Panda, D.K.; Nayak, A.K.; Nanda, P. and Verma, H.C. (2016). Contrasting Irrigation, Agriculture, Livelihood Linkages in Coastal and Non-Coastal Districts of Odisha and West Bengal. *J. Indian Society of Coastal Agricultural Research*, 34 (1): 139-147.
5. Ghosh, Souvik; Brahmanand, P.S.; Mandal, K.G.; Nanda, P. and Patil, D.U. (2016). How Participatory is Participatory Irrigation Management. *Indian Journal of Extension Education*, 52(3 & 4): 1-6.
6. Ghosh, Souvik; Roy Chowdhury, S.; Mohanty, R.K. and Brahmanand, P.S. (2016). Impact of integrated farming of water chestnut and cat fish on livelihood of farmers in seasonal water-logged areas of Odisha. *Agricultural Economics Research Review*, 29 (1): 159-165.
7. Kisku, Deb Kumar and Ghosh, Souvik. (2016). Spatio-temporal variation in status of crop diversification and its impact on farming in West Bengal. *Journal of Community Mobilization and Sustainable Development*, 11 (1): 29-38.
8. Mondal, Debabrata; Chowdhury, Sarthak and Basu, Debabrata (2016). Comparisons of Performance of Non-Governmental Organization and Gram Panchayats in Disaster Management. *Indian Journal of Extension Education*, 52 (3 & 4): 105-110.
9. Panda, C.K. and Chowdhury, Sarthak. (2016). Job attitude of the farm scientist. *Journal of Communication Studies*, 24 (1): 95-99.
10. Sahu, Banshi Lal and Ghosh, Souvik. (2016). Dynamics and effectiveness of SHGs in Chhattisgarh. *Indian Journal of Extension Education*, 52 (1 & 2): 31-37.

11. Subba, S. and Saha, A. (2016), A Study on Socio- Economic Profile of Orchid Growers, International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS), 2 (2): 288-295.
 12. Subba, S. Saha, A. and Dhakre, D.S. (2016), Extent of Adoption of Orchid Growing Practices by the farmers of East Sikkim, International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS), 2 (2): 309-315.
- v) Number of paper published in Peer/reviewed journals: National/International
National: 09 and International: 03 (01 in Foreign Journal)

Designing New Course/Curriculum or any other teaching innovations introduced the Department

Following two Elective Courses were designed for the UG level students that would be introduced from academic session 2017-18:

- a. AEX 312: Communication and Information Management (2+1=3 Credits)
- b. AEX 321: Emerging Trends in Agricultural Extension (2+1= 3 Credits)

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

Department of Agricultural Extension has been created with reference to the Office Order Memo No.: Estab./E-I/AOH&IC/2016-17, dated 30.09.2016. Consequent upon the creation of nine new Departments from erstwhile four Departments of Palli Siksha Bhavana (Institute of Agriculture) in Visva-Bharati, the Department of Agricultural Extension has been created as one of two new Departments from the erstwhile Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES).

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The Department of Agricultural Extension has made significant accomplishments in teaching, research and extension fronts which are evident from the students' success in ICAR-JRF, ICAR-SRF, ICAR-NET and UGC-NET examinations, implementation of three externally funded research projects and coordination of rural awareness work experience programme as well as field demonstrations on vegetables, pulses and oilseeds crops, respectively. This department has developed two new elective courses i.e. Communication and Information Management (2+1=3 Credits) and Emerging Trends in Agricultural Extension (2+1= 3 Credits) and three Instruction and Practical Manuals on extension training, communication and information management in the context of entrepreneurship development, and extension management and participatory extension methods.

AGRICULTURAL ECONOMICS & AGRICULTURAL STATISTICS

Department of Agricultural Economics & Agricultural Statistics is one of the nine departments of the Institute of Agriculture (PSB). This Department has been functioning since 30th September 2016, under Visva-Bharati. Department of Agricultural Economics & Agricultural Statistics is located at Palli-Siksha Bhavana (PSB), Sriniketan. The department is offering various courses of Agricultural Economics and Agricultural Statistics at UG, PG and Ph D. levels. The main aim of this department is to promote and conduct different teaching, research and outreach programmes. Specifically, mention may be made of the following highlighted objectives:

To teach the courses on Agricultural Economics, Statistics & Computer application at UG, PG and Ph.D. level.

To pursue research work in the areas of Agricultural Economics & Agricultural Statistics and other related areas.

To collect data from different experiments and sources for analyzing needful results and to provide that to other allied departments.

To make available facilities to analyze the big data using available computing techniques & statistical tools.

To develop some computer programs for statistical techniques and tools for which software's are not directly available.

To provided advisory and consultancy services to different streams of Agricultural Sciences & Rural development and to other departments across the campus and different states of the country.

2. Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: Nil

3. Departmental Seminar

4. Only National and International standard conference/Seminar/workshop/ Exhibition etc. attended by Teachers/Research scholars in details.

Debashis Sarkar

1. Participated as Resource Person in the UGC sponsored National Seminar on "Women's Economic Empowerment and Inclusive Growth" organized by Kazi Nazrul Islam Mahavidyalaya, Kazi Nazrul University, Churulia, Burdwan on 7-8 March, 2017.

D S Dhakre

1. National Seminar on Sustainable Family Farming for Food, Nutritional Security, 5-6th March 2016, organized by Department of EES, PSB, Visva-Bharati Sriniketan.

2. National Seminar on Rural Impoverishment and Agrarian Strategies, 30-31st March 2016, organized by Department of Rural Studies, Visva-Bharati, Sriniketan.

3. National Seminar on Relevance of Dr. B. R. Ambedkar for Inclusive Development in India, 14th April 2016, organized by SC, ST, OBC Employees Welfare Association of Visva-Bharati.

4. National Conference on Self Sufficiency in Pulses: Challenges and Way Forward, 19-20 November 2016, jointly organized by the Institute of Agriculture, Visva-Bharati & The Bengal Chamber of Commerce and Industry.

5. National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS - 2016), 4 December 2016, organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan & Department of Animal Science, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
6. International Conference on Bio-Resource, Environment and Agricultural Sciences, 4-6th February 2017, organized by PSB, Visva-Bharati and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan.

Kader Ali Sarkar

1. National Conference on Self Sufficiency in Pulses: Challenges and Way Forward, 19 - 20th November 2016, jointly organized by PSB, Visva-Bharati and The Bengal Chamber of Commerce and Industry.
2. National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow, 4th December 2016, jointly organized by Society of Bio-Resource, Environment and Agricultural Research, Santiniketan and Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati.
3. International Conference on Bio-Resource, Environment and Agricultural Sciences, 4-6th February 2017, jointly organized by PSB, Visva-Bharati and Society of Bio-Resource, Environment and Agricultural Research, Santiniketan.

Ongoing Research Projects in the Department

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
D. Sarkar, B. Mondal & B.C. Roy	Network Project on Market Intelligence (Dec 2015-Mar-2017)	NIAEPR (ICAR)	12.45 Lacs

Extension activities /NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department.

Academic distinction gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc)

Debasis Bhattacharya

Membership of Learned Society:

The American Statistical Association

The Institute of Mathematical Statistics, USA

Indian Statistical Institute

Calcutta Statistical Association

Indian Science Congress Association

Indian Association for Productivity, Quality and Reliability.

Editorial Responsibility:

Editor of the Journal "Stochastic Modelling and Applications", ISSN: 0972-3641

Managing Editor of "International Journal of Statistics and Management System", ISSN:0973-7359

Editorial Board Member of the Journal of the Indian Society for Probability and Statistics ISSN: 2277-9620

Editorial Board Members of Journal: Palli Charcha, The Indian Journal of Rural Studies, ISSN:2350-1227

Peer reviewer of international journals:

Journal of Inequality and applications, Statistics and Probability Letters

Journal of Statistical Planning and Inference, Journal of Multivariate Analysis

Communication in Statistics; Theory and Methods, Naval Research Logistics

Journal of Applied Statistic and Methods, Model Assisted Statistics and Applications

Publication within the year April 2016-March 2017

(i) Text Book- 02

(ii) Other Books - 02

(iii) Monographs- Nil

Debasis Bhattacharya**Research Papers:**

1. Bayesian Importance Measure Based Approach for Optimal Redundancy Assignment (2016), American Journal of Mathematical and Management Sciences (Taylor & Francis), 35(4), 335-344.
2. A Redundancy Strategy for Minimizing Cost in Systems with Nondisjoint Subsystems under Reliability Constraint (2016), International Journal of Systems Assurance Engineering and Management (Springer).
3. Performance-based Ranking and Selection of Complex Coherent Systems (2016), International Journal of System Assurance Engineering and Management.7,82-89 (Springer)

Books:

1. Exploring data (2016),5th edition, U. N. Dhur & Sons Pvt. Ltd.: ISBN 978-93-80673-93-6
2. Nonparametric Statistical Methods (2017), MEDTECH Publisher: A Division of Scientific International, ISBN: 978-93-85998-68-3

Debashis Sarkar**Research Papers:**

1. Impact of roads on income and employment of rural households in West Bengal, International Journal of Social Science, 5(1), (ISSN 2249-6637).
2. A case study on resource-use efficiency in Onion cultivation in West Bengal, India, Economic Affairs 61(2), (ISSN: 0424-2513).
3. Flood persuade livelihood: evidences based on selected districts in West Bengal, Economic Affairs 61(2), (ISSN: 0424-2513).

Books:

1. Family Farming: Challenges and Opportunities, Renu Publishers (ISBN: 978-93-85502-22-4).
2. Food Security in India, New Delhi Publishers (ISBN: 978-93-85503-09-2).

Digvijay Singh Dhakre**Research Papers:**

1. Forecast Price of Brinjal By Holt Winters Method In West Bengal Using M S Excel, International Journal of Bio-resource, Environment and Agricultural Sciences (IJBEAS), 2016, Vol 2 (1), 232-236.
2. Extent of Adoption of Orchid Growing Practices by The Farmers of East Sikkim, International

Journal of Bio-resource, Environment and Agricultural Sciences (IJBEAS), 2016, Vol. 2 (2), 309-315.

Kader Ali Sarkar

Research Paper:

Trend Resistant Neighbour Balanced Bipartite Block Designs, Journal of the Indian Society of Agricultural Statistics, 2017, 71(1), 53-59.

Number of paper published in Peer/reviewed journals : 09

National - 03

International - 06

Designing New Course/ Curriculum or any other teaching innovations introduced by the Department
Developed 03 Practical Manuals for Statistics courses.

A brief history on the development of the Bhavana concerned with an indication of the future plans for development.

The department is planning to initiate Post graduate courses on Agri-Business Management (self-finance), Bio-statistics/Data science.

The department is also contemplating to organize a training programme on research methodology and data analysis is using different statistical softwares (like SPSS, Indostat etc.) on a regular basis as a part of the Academic and Outreach activities.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

It is a newly created department separated out from the erstwhile department of Ag. Extension, Ag. Economics & Ag. Statistics. The department is trying to maintain its record of high performance in terms of teaching, research and outreach programmes as it was performing before. The department has developed a statistics laboratory for analyzing data using different statistical softwares. The severe constraints of space, infrastructure and non-teaching man power are being felt on the way of general development of the department in all respect. The department is glad to report that Dr. Kader Ali Sarkar, Assistant professor of statistics, has received his Ph.D. degree.

DEPARTMENT OF PLANT PROTECTION
PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:- One
Ayan Das (Agril. Entomology)

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

Hirak Chatterjee

National Seminar on "Relevance of Dr. B.R. Ambedkar for inclusive development in India" held on 14 April 2016, organised by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan, West Bengal.

National Conference on Self Sufficiency in Pulses: Challenges and Way Forward 19 - 20 November, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)" held on December 4, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

Ranjan Nath

National Seminar on "Relevance of Dr. B.R. Ambedkar for inclusive development in India" held on 14 April 2016, organised by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan, West Bengal.

National Conference on Self Sufficiency in Pulses: Challenges and Way Forward 19 - 20 November, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)" held on December 4, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

Palash Mondal

National Seminar on "Relevance of Dr. B.R. Ambedkar for inclusive development in India" held on 14 April 2016, organised by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan, West Bengal.

National Conference on Self Sufficiency in Pulses: Challenges and Way Forward 19 - 20 November, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)" held on December 4, 2016 at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, West Bengal.

Mohan Kr. Biswas

International:

Presented research paper entitled "Exploring the techniques for higher bioconversion of agricultural wastes through pleurotus cultivation and enrichment of SMS in Eastern India" in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-

Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

National:

Presented paper in the National Symposium on 'Recent Trends in Agricultural and Allied Sciences for Better Tomorrow (NSRTAS - 2016)' held at PSB, Visva-Bharati on 4 December, 2016, Organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan & Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan.

Attended and presented paper in the National Seminar on 'Relevance of Dr. B. R. Ambedkar for Inclusive development in India' held at Lipika on 14 April, 2016, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati.

Attend and presented paper in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Presented paper in the National Conference on "Self Sufficiency in Pulses: Challenges and way forward" Organized by Department of Soil science and Agril.Chemistry, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati from 19th-20th November'2016.

Presented paper in the National National Seminar on "Nutrition & Welfare" dated 7-8 November'2016. Organized by Department of Physical Education and EES, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati

Bholanath Mondal

National Seminar / Symposium / Workshop

Attend and presented paper in the National Symposium on 'Microbial Diversity and its Impact' held on 18 - 19 February, 2016, Organised by Indian Mycological Society and Department of Botany, University of Calcutta.

Attend and presented paper in the National Conference on 'Recent Advances in Science, Engineering & Management' held on 20 - 21 February 2016, Organised by the BITM, Santiniketan.

Attend and presented paper in the National Conference on 'Education and Development' held on 4 - 5 March, 2016, Organised by Department of Lifelong Learning and Extension (REC), PSV, Visva-Bharati.

Attend and presented paper in the National Seminar on 'Emerging Issues in Intra- & Intra-Disciplinary Studies: An Indian Perspective' held on 4 - 5 March, 2016, Organised by Suri Vidyasagar College, Suri.

Attend and presented paper in the National Seminar on 'Sustainable Family Farming for Food, Nutritional & Livelihood Security' held on 5 - 6 March, 2016, Organised by the department of EES, PSB, Visva-Bharati.

Attend and presented paper in the National Seminar on 'Rural Improvement & Agrarian Strategies' held on 30 - 31 March, 2016, Organised by the Department of Palli-Charcha Kendra, PSV, Visva-Bharati.

Attend and presented paper in the National Seminar on 'Plant and Microbe: Diversity and Utiliation' held on 19 - 20 March, 2016, Organised by the Department of Botany, Siksha-Bhavana, Visva-Bharati.

Attend National Seminar on 'Economic Growth & National Integration' held on 1st October, 2016, Organised by the IIFS, New Delhi.

Attend National Conference on 'SMART SUMMIT - 2016' held on 10 December, 2016, Organised by the PEARL - A Foundation for Educational Excellence, Madurai.

Attend National Seminar on 'Self Sufficiency in Pulses: Challenges and Way Forward' held on 19 - 20 November, 2016, Organised by the Institute of Agriculture, Visva-Bharati & BCC&I.

Attend and presented paper in the National Seminar on 'Relevance of Dr. B. R. Ambedkar for Inclusive development in India' held at Lipika on 14 April, 2016, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati.

Attend and presented paper in the National Symposium on 'Recent Trends in Agricultural and Allied Sciences for Better Tomorrow (NSRTAS - 2016)' held at PSB, Visva-Bharati on 4 December, 2016, Organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan & Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan.

Attend and presented paper in the National Seminar on 'Growth & Diversification in India's Emerging Economy' held on 7 - 8 January, 2017, Organised by the A.K. Dasgupta Centre for Planning and Development, Visva-Bharati.

Attend and presented paper in the National Seminar on 'Human Right and Social Justice' held at Lipika on 13-14 April, 2017, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Visva-Bharati, Santiniketan.

State Level Seminar / Symposium / Workshop / Conference

Attend and presented paper in the 1st Regional Science & Technology Congress - 2016 held on 7 - 8 November, 2016, Organised jointly by the Department of Science & Technology, Govt. of West Bengal and Bankura Christian College, Bankura.

Attend and presented paper in the 24th West Bengal State Science and Technology Congress - 2017 held on 28 February - 1 March, 2017, Organised by Department of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal.

International Seminar / Symposium / Conference

Attend and presented paper in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Swarnali Bhattacharaya

Participated and presented paper in the International Conference on emerging Trends in Science, Technology, Agriculture & Management -2016 on the topic "Efficacy of Imidacloprid and Spinosad against white fly and fruit borer of Okra" held at College of Agricultural Engineering & Post Harvest Technology, CAU, Ranipool, Gangtok, Sikkim from 21st -23rd April, 2016.

Participated and presented paper in the National Seminar on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th December, 2016 on the topic 'Use of Nano technology in insect-pest management'.

Participated and presented paper in the 1st International Conference on "Bio-resource, Environment and Agricultural Sciences (ICBEAS)" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th - 6th February, 2017 on the topic "Effect of seed bio-inoculation as bio-chemical mediated Inducers of resistance against insect-pests of green gram *Vigna radiata* (L. Wilczek)".

Acted as a Rapporteur and presented a research paper in the National Conference on "Self Sufficiency in Pulses : Challenges and Way Forward" jointly organized by Bengal Chamber of Commerce and Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal from 19th - 20th December, 2016.

Refresher Course

Participated in the 21 days UGC-Sponsored Refresher Course in 'Environmental Studies & Disaster Management' organized by the UGC-Human Resource Development Centre, Ranchi University, Ranchi, from 12.07.2016 to 01.08.2016

Ongoing research projects in the Department

Hirak Chatterjee

Technical Officer of a project entitled:

i) Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi and

ii) Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Ranjan Nath

As Principal Investigator:

Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-efficacy of some fungicides on Different crops . Funded by Willowood Chemicals Private Ltd., New Delhi

Evaluation of bio-efficacy of Dimethomorph 50 WP against diseases Potato. Funded by Coromandel International Limited. Secunderabad.

As Co-Principal Investigator:

Bio-efficacy and Residue Studies of Some Modern Insecticides, Funded by Willowood Chemicals Private Ltd., New Delhi

Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi Evaluation of Bio-efficacy, phytotoxicity and residue of WCPL 15 WDG against *Phalaris minor* (Canary grass). Funded by Willowood Chemicals Private Ltd., New Delhi

Bio-efficacy and Phytotoxicity studies of some new insecticide molecules for registration purpose. Funded by Willowood Chemicals Private Ltd., New Delhi

Palash Mondal

Evaluation of insecticides and fungicides against some insect pests and diseases along with their

phytotoxicity on different crops; Crystal Crop Protection Pvt. Ltd.

Evaluation of insecticides and other pesticides on major pests and diseases of different crops in red lateritic zone of West Bengal; PI Industries Ltd.

Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario; Bayer Crop Science Ltd.

Bio+Phyto toxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario; Syngenta India Ltd.

M. K. Biswas

Associated with the Project "Bio-efficacy study of different agrochemicals in field crops" and act as a Principal Investigator sponsored by Swarup Chemicals Private Limited, IIIrd floor, Kiran Mansion, 4834/24, Ansari road Daryaganj, New Delhi, 110002, funding amount Rs.4.5 lakh.

Associated and act as a Principal Investigator with the Project "Bio-efficacy study of different agrochemicals in field crops" funded by M/S India Pesticides Limited, IIIrd floor, Kiran Mansion, 4834/24, Ansari road Daryaganj, New Delhi, 110002, funding amount Rs.7.2 lakh

Bholanath Mondal

As Principal Investigator:

Bio-efficacy evaluation of Tebuconazole 25.9% EC against Tikka and Rust and its phytotoxicity.

Funding agency: Coromondal Agrico

Bio-efficacy evaluation of PII 405 15% EC against Powdery Mildew and Downy Mildew of Cucumber. Funding agency: PI Industries Ltd.

Bio-efficacy evaluation of some fungicides for plant disease management. Funding agency: Bayer Crop Science Ltd.

Swarnali Bhattacharya

Acting as Co - Principal Investigator for the project entitled "Enhancing Food and Nutritional Security and Improved Livelihoods through Intensification of Rice-fallow System with Pulse crops in South Asia" sponsored by IFAD-ICARDA South Asia & China Regional Program, New Delhi.

Acting as the Principal Investigator for the project entitled "Bio-efficacy of Pymetrozine 50% WP against BPH of paddy" sponsored by Coromondel International Pvt. Ltd., Secunderabad.

Acting as the Principal Investigator for the project entitled "Bio-efficacy, Phyto-toxicity and residue field trials of CMII 131, Phenthoate 45%+Cypermethrin 6% and CMII 151 against different insect-pests of rice and chilli" sponsored by Coromondel International Pvt. Ltd., Secunderabad.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department.

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time and simultaneously the department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to farmers.

Diagnostics and advisory services towards sustainable pest management are extended to Directorate of Agriculture, Govt. of West Bengal and different NGO's. In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages and also participated in All

India Radio and Television extension programmes .

One day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

N. C. Mandal

Organised One day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

Hirak Chatterjee

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketa
Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan
Resource person in one day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

Ranjan Nath

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketan
Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan
Resource person in one day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

Palash Mondal

Resource person in one day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers". Organised by the Department on 09th December, 2016.

Mohan Kumar Biswas

Participated as a resource person and trained the village women in the training programme on "Mushroom cultivation with women SHG" under Mayureswar -I Dev. Block organized by BDO,Mayureswar -I Dev. Block on 20.07.2016.

Acted as a Resource person and delivered a lecture on Prospect of mushroom cultivation in W.B. and cultivation techniques on 12.12.2016 at ADA office Nanoor,Birbhum,W.B.

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on Nematode diseases of crops and their management on 2.12.2016.

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on Insect pests and diseases of crops and their management on 17.10.2016.

Acted as a resource person in the ALL INDIA RADIO broadcast programme "KISHAN VANI" and delivered lecture on Pest control of cropson 30.03.2017.

Acted as anExpert in the DoordarshanSantiniketan Telecast programme "KRISHI BARTA " and discussed on the topic Recent trends of mushroom cultivation on 11.06.2016.

Acted as an Expert in the DoordarshanSantiniketan Telecast programme "KRISHI BARTA " and discussed on the topic Experiential learning unit of Visva-Bharation 11.02.2017

Act as a Phd. Course coordinator in the Department of Plant Protection.

Acting as an In-charge of Experiential Learning Unit "Production of Edible mushrooms and spawn" of PSB, Visva-Bharati since April 2014.

Resource person in one day Training programme of farmers on "Integrated Pest Management Practices through the rational and safe use of pesticides and other chemicals for seed farmers".

Organised by the Department on 09th December, 2016.

Bholanath Mondal

Attend the awareness programme as a resource person for 'Farmers-Scientists Interaction Programme' and delivered lecture on 'Integrated Pest and Disease Management' on 17th June, 2016, Organised by the RKVK, PSB, Visva-Bharati in collaboration with ATMA, Birbhum.

Attend the awareness programme as a resource person for 'Farmers' Training Programme' and delivered lecture on 'Disease and Insect-Pest Management in Kharif vegetables' on 30th July, 2016, Organised by the Department of CIHAB, PSB, Visva-Bharati.

Participated in different Live-phone-in & Recording programmes of Prasarbharati [All India Radio (Kishan Bani) & Doordarshan (Krishi Darshan)] as an expert and delivered lecture on different topics of agriculture and allied aspects.

Swarnali Bhattacharya

Participated as an expert in Live Phone In Programme at AkashBani, Santiniketan and delivered lecture on the topic "IPM of kharif vegetables" in July, 2016

Participated as an expert in Live Phone In Programme at AkashBani, Santiniketan and delivered lecture on the topic "IPM in Pulses" in October, 2016

Participated as an expert in Television show "Krishi Darshan" at Doordarshan, Santiniketan and delivered lecture on the topic "IPM in Solanaceous crops" on 23.09.2016

Delivered lecture as an expert in the one day farmers training programme organized by Assistant Director of Agriculture, Nalhati Block, Birbhum under Bio-village scheme on the topic "IPM of Amon Paddy" on 08.09.2016.

Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)

N. C. Mandal

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 1st October 2016 to 28th February, 2017.

Hirak Chatterjee

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 1st March 2017.

Acting as NODAL Officer, PSB, Visva-Bharati for the Project NISAGENET, ICAR, New Delhi.

Acting as Councillor of the Journal of Plant Protection and Environment . OUAT, Orrissa, Bhubaneswar since 2007.

Acting as referee of the Journals in 'Insect Science' PAU, Ludhiana.

Acting as referee of the Journals 'Oryza' and AZRA Society, CRRI, Cuttack

Acting as referee of the Journals in Agricultural Research Communication, Gourav Society, Hissar.

Acting as referee of the Journal of Plant Protection and Environment. OUAT, Orrissa, Bhubaneswar

Acting as paper setter, thesis evaluator and external examiner in CAU, OUAT, UBKV and BCKV and AAU, Jorhat

Ranjan Nath

Acted as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, w.e.f. 16th September 2015 to 30th September 2016.

Paper setter and external examiner of Ultra Banga Krishi Viswavidyalay, Cooch Behar W.B.

Paper setter and external examiner of Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

Paper setter of Tripura University, Agartala, Tripura

Paper setter of OUAT, Bhubaneswar, Odissa

External Member BOS of the Department of Plant Pathology, Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

Life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology Guiding Seven PhD students (continuing)

Palash Mondal

Appointed as an External Examiner of Department of Agril. Entomology, UBKV, Cooch Behar,

Appointed as an External Examiner of Department of Agril. Entomology, BCKV, Mohanpur, Nadia,

Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038).

Life member of the 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'.

Life member of Crop and Weed Society, Kalyani.

Life member of The Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Annual member of Entomological Society of India, New Delhi.

M. K. Biswas

Act as a Co-Chairman of the session Session VII ,BAS (Biotic and Abiotic Stress and its management) in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-SikshaBhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Act as a Co-Chairman of the session Session V (Food and health) in the National Seminar on "Nutrition & Welfare" dated 7-8 November'2016. Organized by Department of Physical Education and EES, Palli-SikshaBhavana (Institute of Agriculture), Visva-Bharati

Two students obtained their Ph.D. degree and another three students submitted their Ph.D. thesis during 2016-2017

Editor/reviewer

Act as a reviewer of the Indian journal of Phytopathology ,IARI, New Delhi, India.

Act as an editorial member of the International Journal of Economic Plants, ISSN: 2349-4727, Puspa Publishing House.

Academic collaboration with other Institute/ National Society/Journal:

Appointed as an External Examiner for the subject of Mushroom Cultivation (PPA-401, 1+1 credit) of UBKV, CoochBehar, W.B.

Appointed as an External Examiner and question setter for the subject of Agricultural Microbiology (PP-111) Ist semester, of BCKV, Mohanpur, Nadia, W.B. from 08-10 April, 2017.

Appointed as an External Examiner for the subject of Mushroom cultivation, VII semester, PPT-318 (0+2) of OUA&T, Bhubaneswar, Odisha from 20.01.2017 to 24.01.2017.

Appoint as an External Examiner External for evaluating the M.Sc. thesis of the students of BCKV, Mohanpur, Nadia, W.B. on 23 June, 2017.

Visited ICRISAT, Hyderabad, for institutional collaboration with the project relating to integrated pest management and climate change.

Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New Delhi, India publish the Journal of Indian Phytopathology.

Permanent life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology.

Permanent life member of the Society for Plant Protection and Environment, OAUT, Bhubaneswar, India. Publish the Journal of Plant Protection and Environment.

Life member of Association for Advancement in Plant Protection, publish The journal of Plant Protection Science.

Member of the association of Mushroom Society of India, Solan, publish the journal Mushroom Research.

Bholanath Mondal

Received RASHTRIYA GAURAV AWARD from Dr. Bhisma Narain Singh, Former Governor of Tamil Nadu & Assam for Meritorious Services, Outstanding Performance and Remarkable Role on the occasion of a National Seminar on Economic Growth & National Integration at New Delhi on 1st October, 2016 Organized by the IIFS, New Delhi.

Received OUTSTANDING PAPER AWARD in the 1st Regional Science & Technology Congress - 2016, Bardhaman Division, West Bengal held on 7 - 8 November, 2016, Organised jointly by the Department of Science & Technology, Govt. of West Bengal and Bankura Christian College, Bankura.

Received BEST YOUNG SCIENTIST AWARD in recognition of the Outstanding Contributions in the field of Plant Pathology in the National Conference (SMART SUMMIT - 2016) held on 10 December, 2016, Organised by the PEARL - A Foundation for Educational Excellence, Madurai.

Membership of National Society / Journal

Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.

Life member of 'Eastern India Horticulture and Biotechnology Centre' published the Journal 'Green Technology'. Office: Baharu, South 24 Parganas.

Both Founder and Life member of 'Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.

Both Founder and Life member of 'Organisation for Assisting of the Throttlng World'. Office: Rajbaripara, Jalpaigur.

Life member of 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'. Office: Department of Entomology, Collage of Agriculture, OUAT, Bhubaneswar - 751 003, Orissa.

Life member of 'Indian Society of Soil Biology and Ecology' published the 'Journal of Soil Biology and Ecology'. Office: Dept. of Agricultural Microbiology and Entomology, University of Agricultural Sciences, GKVK Campus, Bangalore - 560 065.

Association of Agrometeorologists, published the Journal of Agrometeorology, Office: AAU, Anand, Gujarat.

Indian Mycological Society (IMS), published the Journal of Mycopathological Research. Office: University of Calcutta, Kolkata, West Bengal.

Indian Society of Mycology and Plant Pathology (ISMPP), published the Journal of Mycology and Plant Pathology. Office: MPUAT, Udaipur, Rajasthan.

Association for Advancement in Plant Protection (AAPP), Published The Journal of Plant Protection Sciences. Office: Plant Health Clinic, Directorate of Research, BCKV, Nadia, West Bengal.

Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the Journal of Agriculture and Technology. Office: UBKV, Coochbehar, West Bengal.

Society of Bio-resource, Environment and Agricultural Research, published the International Journal of Bio-resource, Environment and Agricultural Sciences Office: Abanpalli, Santiniketan, Birbhum, West Bengal. Indian Red Cross Society, Bolpur, Birbhum

Other Achievements

Guided two M.Sc. students and one Ph. D. Student

Guiding two M.Sc. Students and eight Ph. D. students

Appointed as an External Examinar of OUAT, Orissa; Siksha-O-Anusandhan University, Orissa; BCKV, West Bengal; UBKV, West Bengal.

Acting as Assistant Secretary of Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum.

Acting as Public Relation Officer and Editorial board member of the Journal of International Journal of Bio-resource, Environment and Agricultural Sciences.

Acting as Executive Board Member of the journal, Journal of Crop and Weed published by Crop and Weed Science Society (CWSS), BCKV, Nadia, West Bengal.

Acted as Convener in the 1st International Conference on 'Bioresource, Environment and Agricultural Sciences (ICBEAS)' held at PSB, Visva-Bharati on 4-6 February, 2017, Organized by Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan and Society of Bio-resource, Environment and Agricultural Research, Santiniketan.

Acted as Organising Secretary in the National Symposium on 'Recent Trends in Agricultural and Allied Sciences for Better Tomorrow (NSRTAS - 2016)' held at PSB, Visva-Bharati on 4 December, 2016, Organized by Society of Bio-resource, Environment and Agricultural Research, Santiniketan & Department of Animal Science, Palli-Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan.

Acted as Organising Secretary in the National Seminar on 'Relevance of Dr. B. R. Ambedkar for Inclusive development in India' held at Lipika on 14 April, 2016, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati.

Acted as Organising Secretary in the National Seminar on 'Human Right and Social Justice' held at Lipika on 13-14 April, 2017, Organized by SC, ST, OBC Employees' Welfare Association of Visva-Bharati in association with Visva-Bharati, Santiniketan.

Swarnali Bhattacharya

Life member of 'Society of Bio-resource, Environment and Agricultural Research, publishing 'International Journal of Bio-resource, Environment and Agricultural Science'. Office: Santiniketan, Dist- Birbhum, West Bengal, India.

Appointed as an External Examiner of College of Agriculture, OUAT, Chiplima, Sambalpur, Orissa; College of Horticulture, Bagalkot, Karnataka and Jawarlal Neheru Krishi Vishwavidyalaya, Jabalpur, Madhya Pradesh.

Appointed as an External Examiner of Jawarlal Neheru Krishi Vishwavidyalaya, Jabalpur, Madhya Pradesh and Bidhan Chandra Krishi Viswavidyalaya, Kalyani

Acting as Teacher Warden for Amrapalli Girls hostel, Visva-Bharati, Santiniketan

Acting as Editorial Board Member for the journal -'International Journal of Bio-resource, Environment and Agricultural Research' published by Society of Bio-resource, Environment and Agricultural Research

Innovative Farming

Guiding two M.Sc. students (4 awarded)

Guiding four PhD students (continuing)

About four years four months of teaching and research experience in PSB, Visva-Bharati.

Publications (Published during April 2016 - March 2017)

N. C. Mandal

Paramanik, P.K. and Mandal, N.C.(2016) Effect of essential oils on wax rot of potato (*Geotrichum candidum* Link ex Pers). *Annals of Plant Protection Sciences* 24: 185-187. Print ISSN: 0971-3573; Online ISSN: 0974-0163

Hirak Chatterjee

Chintkuntlawar P.S., Pramanik A. and Chatterjee H. (2016) Biology and physical measurements of whitefly, *Bemisia tabaci* (gennadius) on chilli in west bengal, india. *International Journal of Agriculture Sciences* 8 (49):2063-2065. ISSN: 0975-3710&E-ISSN: 0975-9107.

Ranjan Nath

Atit Maji, Ranjan Nath, Prabir Kumar Garain and Shyam Sundar Laxman (2016) Evaluation of fungicides against collar rot disease of sunflower caused by *Sclerotium rolfsii* sacc. in sundarbans of west Bengal. *International Journal of Agricultural Science and Research (IJASR)* 6 (3): 583-588. ISSN(P): 2250-0057; ISSN(E): 2321-0087.

Atit Maji and Ranjan Nath (2016) Management through eco-friendly approach of collar rot disease of sunflower caused by *Sclerotium rolfsii* sacc in Sundarbans of west Bengal, *International Journal of Agricultural Science and Research (IJASR)* 6 (4): 9-12. ISSN (P): 2250-0057; ISSN (E): 2321-0087.

Debjani Choudhury, Yumlembam Rupert Anand, Susamoy Kundu, Ranjan Nath, Ramen Kumar Kole and Jayanta Saha (2017) Effect of plant extracts against sheath blight of rice caused by *Rhizoctonia Solani*. *Journal of Pharmacognosy and Phytochemistry (JPP)* 6(4): 399-404. E-ISSN:

2278-4136; P-ISSN: 2349-8234 . Impact Factor: GIF: 0.225, ICV: 5.52, NAAS Rating: 5.21.
Debjani Choudhury, Soumen Saha, Ranjan Nath, Ramen Kumar Kole and Jayanta Saha (2017)
Management of chilli anthracnose by botanicals fungicides caused by *Colletotrichum capsici*. *Journal of Pharmacognosy and Phytochemistry (JPP)* 6(4): 997-1002. E-ISSN: 2278-4136; P-ISSN: 2349-8234. Impact Factor: GIF: 0.225, ICV: 5.52, NAAS Rating: 5.21.

Palash Mondal

S. Chakraborty and P. Mondal. 2016. Physico-Chemical Parameters of Pulses Affecting the Bruchid (*Callosobruchus Chinensis* Linn.) Infestation. *Asian Journal of Science and Technology*, 7: 2554-2560. ISSN: 0976-3376

C. Maity and P. Mondal. 2016. Bioefficacy of Methanolic Leaf Extract of Some Botanicals against *Helicoverpa armigera* Hubner. *International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS)*, 2: 383-386. Print ISSN 0976-3988, Online ISSN 0976-4038. Peer reviewed, Indexed, NAAS rating 4.46

B. Kahar, P. Mondal and A. Konar. 2016. Impact of different planting dates on the incidence of viral diseases caused by aphid and white fly on potato. *Elixir Agriculture*, 95: 40553-40555. ISSN: 2229-712x.

B. Kahar, P. Mondal and A. Konar. 2016. Field evaluation of different treatment schedules against white fly, *Bemisia tabaci* Genn. Infesting potato in West Bengal. *Global Journal of Science Frontier Research : D (Agriculture and Veterinary)*, 16: 49-53. Online ISSN: 2249-4626 & Print ISSN: 0975-5890. Peer reviewed International Research Journal.

S. Chakraborty and P. Mondal, 2016. Variations in biological parameters in laboratory condition of *Callosobruchus chinensis* Linn. throughout the years in Tarai Region, West Bengal in Green gram (*Vigna radiate* Linn.). *PARIPEX-Indian Journal of Research*, 5: 544-546. ISSN: 2520-1991. Index Copernicus: 77.65 & Impact factor: 5.215

S. Chakraborty and P. Mondal, 2016. Effect of ambient environmental conditions on the level of infestation by pulse beetle on different legumes. *International Journal of Current Research*, 8: 33841-33846. ISSN: 0975-833x.

Chapter in Book:

S. Chakraborty and P. Mondal, 2016. Studies on diversity of bruchid pests and their preference to different stored pulses. In: *Proceedings "Biodiversity" Prospect and Threats: Present Scenario*. pp. 134-140.

P. Mondal, C. Maity, B. Mondal and L. Mandal. 2016. Development of cost effective and eco-friendly pest management strategy for sustainable production of brinjal. In: *Family Farming: Challenges and Opportunities* (Ed. B. Mondal, D. Sarkar, S.D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury). Renu publishers, New Delhi. pp. 250-245. ISBN: 978-93-85502-22-4.

B. Mondal, P. Mondal and M.K. Dasgupta. 2017. Traditional knowledge in relation to human affairs. In. *Human Development and Sustainability : Challenges and Strategies* (Ed. A.K. Sarkar and P.K. Ghosh). Atlantic Publishers & Distributors (P) Ltd. New Delhi. 234-247pp. ISBN: 978-81-269-2307-6.

P. Mondal, C. Maity, B. Mondal and L. Mandal. 2017. Validation of some IPM Modules for *Leucinodes orbonalis* in Relation to Socio-Economic Conditions of Brinjal Growers in Lateritic

Zone of West Bengal. In. Relevance of Dr. B.R. Ambedkar for Inclusive Development in India: Inclusive Development, Agriculture and Sustainable Rural Development (Ed. B. Mondal, B. Das, A. Lokho, G. Mondal, G.C. Malik and S. Ghosh). New Delhi Publishers, New Delhi. 146-152 pp. ISBN: 978-93-85503-58-0.

M. K. Biswas

Suman Patra and Mohan Kumar Biswas (2016). Efficacy of fungicides for the management of chickpea wilt disease caused by *Fusarium oxysporum* f. sp. *Ciceri*. *Int. J. Adv. Res.* 4(10), 1457-1461, Impact Factor - 4.588, IC value-56.43.

S. Palchoudhury, S.K. Sharma, M.K. Biswas and K.K. Biswas (2015). Diversified Citrus tristeza virus Causing decline disease in Khasi Mandarin in Manipur State of North-East India. *J. Mycol Plant Pathol.* Vol.45(4), pp-317-323, NAAS: 5.79.

R. Pal, D. Mandal and M.K. Biswas (2016). Effect of different sowing dates on the development and spread of sheath blight disease in rice. *Journal of Crop and Weed*, 12(1), pp-116-119, NAAS: 5.28.

Mohan Kumar Biswas and Sk. Jubayer Ali (2017). Management of *Fusarium Wilt* of chickpea (*Cicer arietinum* L.) under the undulating red and lateritic belt of West Bengal. *J. Mycopathol. Res.* 54(4), pp-461-468, NAAS: 4.90.

Suman Patra and Mohan Kumar Biswas (2017). Studies on cultural, morphological and pathogenic variability among the isolates of *Fusarium oxysporum* f. sp. *Ciceri* causing wilt of chickpea. *International Journal of Plant, Animal and Environmental Sciences*, 7(1), pp-11-16, Impact Factor: 1.0280.

Anuj Mamgain, Mohan Kumar Biswas and Narottam Dey (2017). Yield Loss Assessment of *Alternaria* Leaf Blight of Rapeseed-Mustard under the Agro-Ecological Condition of West Bengal, India. *Int. J. Curr. Microbiol. App. Sci.* (2017) 6(3), pp- 2369-2375, NAAS: 5.38.

Asish Mahato and Mohan Kumar Biswas (2017). Cultural, Morphological and Pathogenic Variability of Different Isolates of *Sclerotium rolfsii* Obtained from Rice-Tomato-Rice Cropping System of Undulating Red and Lateritic Zone of West Bengal, India. *Int. J. Curr. Microbiol. App. Sci.* (2017) 6(3), pp-1843-1851, NAAS: 5.38.

Rini Pal, Dipankar Mandal, Mohan Kumar Biswas and Birendra Nath Panja (2017). Effect of weather parameters on the initiation and progression of sheath blight of rice. *Journal of Agrometeorology* 19 (1), pp- 39-43, NAAS: 6.36.

Suman Patra and M.K. Biswas (2017). Eco-Friendly Management of *Fusarium oxysporum* f. sp. *ciceri* the Causal Agent of Chickpea Wilt Disease under In-vitro Condition. *Int. J. Curr. Microbiol. App. Sci.* 6(3), pp- 1852-1858, NAAS: 5.38.

Suman Patra, Mohan Kumar Biswas and Asish Mahato (2017). Sustainable Management of Chickpea Wilt Caused by *Fusarium oxysporum* f. sp. *ciceri*. *Int. J. Pure App. Biosci.* 5 (1), pp- 526-529, NAAS: 4.74.

Asish Mahato, Mohan Kumar Biswas and Suman Patra (2017). Eco-Friendly Management of Collar Rot Disease of Tomato Caused by *Sclerotium rolfsii* (Sacc.) *Int. J. Pure App. Biosci.* 5 (1), pp- 513-520, NAAS: 4.74.

S. Palchoudhury, P. Ghimiray, M.K. Biswas and K.K. Biswas (2017). Citrus tristeza Virus Variants and their Distribution in Mandarin Orchards in Northeastern Himalayan Hill Region of India. *Int. J. Curr. Microbiol. App. Sci.* 6(6), pp- 1680-1690, NAAS: 5.38.

P. Nagamani, Someshwar Bhagat, M.K. Biswas and K. Viswanath (2017). Effect of Volatile and

Non Volatile Compounds of *Trichoderma* spp. against Soil Borne Diseases of Chickpea. *Int.J.Curr.Microbiol.App.Sci*,6(7), pp-1486-1491, NAAS: 5.38.

Book Chapter:

M.K. Biswas and Payal Ghosh (2016). Techniques for increasing the biological efficiency of oyster mushroom (*Pleurotus florida*) and enrichment of spent mushroom substrate (SMS) in Eastern India. *Plant Pathogens and People, Book of Abstracts*. R.K. Khetrpal, K.K. Mondal, S.C. Dubey, G.P. Rao, V.C. Chalam, Narmata Singh, Deeba Kambli, B.M. Baishyal, P.P. Jambulkar, G. Prakash, D. Singh and Prathibha Sharma (eds.). Alpha Printographics (India), Naraina, New Delhi-110028, ISBN: 81-7019-527-2, pp-179-180.

M. K. Biswas (2016). Fungal contaminants of oyster mushroom beds (*Pleurotus ostreatus*), their management and role of environmental factors. In: *Family Farming: Challenges and Opportunities*. Bitan Mondal, Debashis Sarkar, Siddhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy, Sarthak Chowdhury (eds.) Renu Publishers, ISBN: 978-93-85502-22-4, pp-229-239.

M. K. Biswas (2016). Fungal contaminants of oyster mushroom beds (*Pleurotus ostreatus*), their management and role of environmental factors. In: *Synoptic view of sustainable Family Farming for food nutritional and livelihood security*. Bitan Mondal, Debashis Sarkar, Siddhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy, Sarthak Chowdhury (eds.). New Delhi Publishers, New Delhi, 110059 ISBN: 978-93-85503-32-0, pp-38.

M. K. Biswas (2016). Pesticides use in crops, knowledge level and its impact on health: a case of farmers in West Bengal. In: *Trailing the footprints of nutrition & wellness entrapping footholds of healthy nation*. Sarthak Chowdhury, Debashis Sarkar, Bitan Mondal, Ashoke Mukherjee and Kallol Chatterjee, (eds.) Anand Prakashan, 176/178, Ravindra Sarani, Kolkata-700007. ISBN :978-81-88904-88-4, pp-292-303.

Bholanath Mondal

Bholanath Mondal, Saktipada Mandal, Chandan Kumar Mondal and Dinesh Chandra Khatua (2016). Occurrence of Bacterial wilt of bitter melon in Sundarban area of West Bengal, India. *European Journal of Biotechnology and Bioscience* (ISSN: 2321-9122), 4(8): 01-03.

Bholanath Mondal, Papiya Debbarma and Dinesh Chandra Khatua (2016). Sclerotinia rot of *Hydrophilum auriculata* (Schum.) Heynne. in Lateritic Zone of West Bengal, India. *International Journal of Bio-resource and stress Management* (ISSN: 0976-3988), 7(5): 1165-1167.

R. Das, K. Mitra, R. Mandal and Bholanath Mondal (2016). Screening of promising lines/varieties of linseed against *Alternaria* blight (*Linum usitatissimum* L.). *Journal of Mycopathological Research* (ISSN: 0971-3719), 54(2): 303-306.

Bholanath Mondal, Papiya Debbarma and Dinesh Chandra Khatua (2016). Post harvest disease of vegetables caused by *Sclerotinia sclerotiorum* in West Bengal. *Scholars Journal of Agriculture and Veterinary Sciences* (2348-8883), 3(5): 395-396.

Siddhartha Das, Subrata Dutta, Arup Chattopadhyay and Bholanath Mondal (2017). First report of *Choanephora infundibulifera* causing blossom blight of teardrop gourd in India. *Indian Phytopathology*, 70(2): 265-267.

Bholanath Mondal and Papiya Debbarma (2017). Management of Collar rot disease of potato caused by *Sclerotium rolfsii* Sacc. through plaster of paris. *Journal of Mycopathological Research* (ISSN: 0971-3719), 55(1): 31-36.

Book Chapter

Palash Mondal, Chandan Maity, Bholanath Mondal and Ialtu Mandal (2016). Development of cost effective and eco-friendly pest management strategy for sustainable production of brinjal. In: Family Farming: Challenges and Opportunities (Bitan Mondal, Debashis sarkar, S. D. Mukhopadhyay, Souvik Ghosh, B. C. Roy and sarthak Chowdhury Eds.). Renu Publishers, New Delhi, pp. 240-245 (ISBN: 978-93-85502-22-4).

Bholanath Mondal, Palash Mondal and Mrinal Kanti Dasgupta (2017). Traditional Knowledge in relation to Human Affairs. In: Human Development and Sustainability - Challenges and Strategies (A. K. Sarkar and P. K. Ghosh Eds.). ATLANTIC Publishers & Distributors (P) Ltd., New Delhi, pp. 234-247 (ISBN: 978-81-269-2307-6).

Sanjoy Kumar Bordolui, Raju Das, Bholanath Mondal and Pranab Chattapadhyay (2017). Evaluation of some Aromatic and Non-aromatic Indigenous Genotypes from Field Gene Bank for commercial utilization as high value rice. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 01-11 (ISBN: 978-93-85503-58-0).

Shilika Hansda, Karam Chand Hembrom and Bholanath Mondal (2017). Ethnomedicinal uses of different plants by Tribal people in Bankura District of West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 130-134 (ISBN: 978-93-85503-58-0).

Rituparna Char, Bholanath Mondal and Debashis Ponda (2017). Traditional herbal medicine in Birbhum District of West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 135-140 (ISBN: 978-93-85503-58-0).

Raju Das, Sanjoy Kumar Bordolui and Bholanath Mondal (2017). Disease reaction of linseed lines/ varieties against *Alternaria* blight in West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 141-145 (ISBN: 978-93-85503-58-0).

Palash Mondal, Chandan Maity Bholanath Mondal and Laltu Mandal (2017). Validation of some IPM modules for *Leucinodes orbonalis* in relation to socio-economic conditions of brinjal growers in lateritic zone of West Bengal. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 146-152 (ISBN: 978-93-85503-58-0).

Debashis Panda, Sananda Mondal, Bholanath Mondal and Kalipada Pramanik (2017). Food and Nutritional security through biofortification of staple food crops. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 254-264 (ISBN: 978-93-85503-58-0).

Debashis Panda and Bholanath Mondal (2017). Ecophysiological and agricultural significance of indicator plants. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 265-271 (ISBN: 978-93-85503-58-0).

Debashis Panda, Kalipada Pramanik and Bholanath Mondal (2017). Legislative measures in India for land reforms, input management in agriculture and food security: steps towards inclusive growth. In: Relevance of Dr. B. R. Ambedkar for Inclusive development in India: inclusive Development, Agriculture and Sustainable Rural Development (Vol. II) (B. Mondal, B. Das, A. Lokho, G. Mandal, G. C. Malik and S. Ghosh Eds.). New Delhi Publishers, New Delhi, pp. 272-282 (ISBN: 978-93-85503-58-0).

Swarnali Bhattacharya

Tapamay Dhar, Prateek Madhab Bhattacharya, Sujana Biswas and Swarnali Bhattacharya (2016). Screening of resistance of Piper Beetle landraces against *Singhiella pallida* (Hemiptera: Aleyrodidae). *The Bioscan*. 11 (2): 725-731.

Prajna Pati and Swarnali Bhattacharya (2016). Effect of bio-fertilizer on the incidence of Hemipteran pests infesting different varieties of green gram. *Advances in Life Sciences*. 5 (10): 4141-4146.

Abstracted Paper

Paper entitled 'Bio-efficacy of Cyhalofop Butyl in direct seeded wet season rice (*Oryza sativa* L. against *Echinochloa* sp. Under lateritic soil of West Bengal' abstracted in the National Seminar on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th December, 2016.

Paper entitled 'Voracity and life cycle study of *Spodoptera litura* on different host plants' abstracted in the National Seminar on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th December, 2016.

Paper entitled 'Effect of bio-pesticides in the management of important insect-pests of pulses' abstracted in the National Seminar on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th December, 2016.

Paper entitled 'Effect of Paraquat Dichloride 24% SL on weed growth and Productivity of potato crop' abstracted in the 1st International Conference on "Bio-resource, Environment and Agricultural Sciences (ICBEAS)" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th - 6th February, 2017.

Paper entitled 'Role of secondary metabolites in defense mechanisms of Plants' abstracted in the 1st International Conference on "Bio-resource, Environment and Agricultural Sciences (ICBEAS)" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th - 6th February, 2017.

Paper entitled 'Feeding and life history of *Spodoptera litura* (Lepidoptera: Noctuidae) on different host plants' abstracted in the 1st International Conference on "Bio-resource, Environment and Agricultural Sciences (ICBEAS)" held at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, Birbhum, West Bengal on 4th - 6th February, 2017.

Paper entitled 'Effect of pyrazosulfuron ethyl 10% wp and other herbicide on weed growth and productivity of wet season Transplanted rice' abstracted in the 1st International Conference on "Bio-resource, Environment and Agricultural Sciences (ICBEAS)" held at Palli Siksha Bhavana, Visva-Bharati, Sriniktan, Birbhum, West Bengal on 4th - 6th February, 2017.

Designing New Course/curriculum or any other teaching innovations introduced by the Department.

M.Sc.(Ag) in Plant Protection syllabus with semester system revised during 2009-2010 was re-structured during the year 2011-12 based on the expertise of 8 faculties of this department as well as recent recommendation of ICAR. From this year onward separate M.Sc. Degree in two subjects viz. Agril. Entomology and Plant Pathology will be awarded by the Department. New syllabi for these two subjects are prepared following the ICAR syllabus. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the subject and already introduced successfully.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development

The Department of Plant Protection was established in 1989 with the amalgamation of two important sections viz. Agricultural Entomology and Plant Pathology. Earlier these two major sections were functioning since 1965 under the Department of Agriculture, Palli Siksha Sadana. However, M.Sc.(Ag) in Plant Protection with specialization in Agril. Entomology and Plant Pathology were offered since 1987. Presently this department offers resident instruction programme in Agricultural Entomology and Plant Pathology comprises undergraduate instruction for the students of Palli Siksha Bhavana and postgraduate instruction leading to M.Sc. and Ph.D. degrees in Plant Protection. The faculty members of this department are actively involved in teaching, research and extensions and published around 400 research papers, review articles etc. in the referred international and national journals, and 6 authored/edited book chapters from Spain, Germany and India. Faculty of the department has got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. The department provides special emphasis on field oriented practicals and trainings to both UG and PG students as well as Rural Agricultural Work Experience programme to UG students. In addition to that, the faculty members conducted special classes exclusively for the purpose of JRF and guided final year B.Sc. (Ag.) Hons students for ICAR, JRF. The postgraduate students are trained in economic entomology, biocontrol, ecology, toxicology, physiology, taxonomy, mycology, bacteriology, virology, Mushroom pathology and post harvest pathology. Traditional strengths of research in the department had been in economic entomology, toxicology and biological control. At present emphasis is on synthesizing IPM modules for different crops involving bio- agents, cultural practices, host plant resistance and eco friendly chemicals.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

Faculties of the department have got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. Among them one has achieved international recognition after its successful completion. Credit based Semester system has been incorporated for UG, PG & Ph.D. students in order to make the course curriculum system more flexible. It

periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging trends of the respective subjects. During the year 2011-2012, M. Sc(Ag) in Plant Protection syllabus was again re-structured based on the experience and expertise of 8 faculties of this department as well as recent recommendation of ICAR. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the respective subjects, which has been dully introduced successfully. Besides that, some new technologies w.r.t. sustainable management of brinjal fruit and shoot borer in egg plant, important insect-pests of rice and management of bacterial wilt in a eco-friendly way has been developed., Moreover, new vistas towards mushroom production in a commercial has been developed and a separate unit for experiential learning course on mushroom is being established.

Presently the Department has been planning to establish a dedicated Plant Health Clinic for providing single window solution to the farmers of adjoining areas as well as to set up a well equipped laboratory for conducting need based research at molecular level as well as to carry out basic and strategic research in Entomology & Plant Pathology and to provide services in insect and disease science and technologies.

Particulars in details of the Departmental Library:

At present there is no departmental library. For detail information please see the Annual Report of Palli Siksha Bhavana.

DEPARTMENT OF AGRICULTURAL ENGINEERING
(PALLI SIKSHA BHAVANA)

Publications within the year

Journal publications

Kandasamy, P (2017) Assessment of physico-chemical characteristics of tomato (*Solanum lycopersicum*) stored under diffusion channel system. *International Journal of Bio-resource and Stress Management*, 8(1):160-166.

Kandasamy, P and Shanmugapriya, C. (2016) Medicinal and nutritional characteristics of fruits in human health. *Journal of Medicinal Plants Studies*, 4(4): 124-131.

Swain KC, Duary B. and Singha C. (2016). Application of Nano-materials and Nano-Technology in Agriculture, *Journal of Agroecology and Natural Resource Management* 3(3): 284-287

Singha, C. and Swain, K.C. (2016). Land suitability evaluation criteria for agricultural crop selection, *Agricultural Reviews*, 37 (2): 125-132.

Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and S. Mondal (2016). Bio-energy crops in mitigation of climate change, *International Journal of Bio-Resource, Environment and Agricultural Sciences*, 2(1): 242-250.

Research books

Kandasamy, P. (2017) Controlled atmosphere storage of tomato using diffusion channel system. LAB LAMBERT Academic Publishing, Saarbrucken, Germany. ISBN: 978-3-330-04812-6.

Book chapters

Kandasamy, P. (2016) Plant essential oils as a natural resource for protecting stored-food grains against insects. *Proceedings of National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security*, Department of Agricultural Extension, Economics & Statistics, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal, ISBN: 978-93-85502-22-4. pp: 159-167.

Swain, KC and C. Singha (2016). *Climate change impact study: Open top Chamber Agriculture*, Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp.147-168.

Swain, K.C. and C. Singha (2016). *Child Labour in Agriculture: Trends and Regulations*. New Delhi Publishers ISBN: : 978-93-85503-58-0 pp. 217-225.

Singha, C. and KC Swain (2016) *Potential of PPP Model for Poverty Alleviation: An Indian Perspective*, New Delhi Publishers ISBN: : 978-93-85503-58-0, pp.55-67.

Teja, K.C., Duary, B., Swain, K.C. and S. Das (2016) *Conservation agriculture: An approach to achieve livelihood security of small and marginal farmers in West Bengal*, Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4. pp.62-70.

Details of Seminar/Conference/Symposium/Workshop etc.

Departmental Seminar

One day farmers training program on "Agricultural Machinery and Hands on Tools" on 21 March 2017.

Speakers:

Mr. K. Marjit, Director BIRD, Bolpur, West Bengal

Dr. Debasis Nag, Former Director, ICAR-NIRJAFT, Kolkata

Mr. D. Mukharjee, Former Faculty Member, Dept. of Agril. Engg., PSB, Visva-Bharati

Prof. Subrata Karmakar, Head, Dept. of Farm Machinery and Power, BCKV, Mohanpur

Ms. Sriti Hansda, Assistant Professor, College of Agriculture, OUAT, Odisha

Mr. Sujit Hensa, Assistant Professor, College of Agriculture, BCKV, Burdwan, W.B.

Mr. Bidyut Das, Assistant Professor, College of Agriculture, BCKV, Bankura, W. B.

4.2. Organized other seminar

Swain, K.C acted as one of the organizing secretaries in the National Symposium on "Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016)" at Department of Animal Science, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, during December 4, 2016.

Swain, K.C. acted as one of the organizing secretaries in the 1st International Conference on Bio-Resource, Environment And Agricultural Sciences (ICBEAS), at Department of Animal Science, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, February 4-6, 2017.

4.3. Presented paper in Conference/Seminar/Symposium/Workshop

National seminar on "Relevance of Dr. B. R Ambedkar for Inclusive Development in India" at Visva-Bharati, Santiniketan, April 14, 2016.

All India seminar on Post-harvest Management of Fruits and Vegetables, at Institute of Engineers, Kolkata, during June 1-2, 2016.

National Seminar on "Nutrition and Wellness" at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, during November 8-9, 2016.

National Conference on Self Sufficient in Pulses: Challenges and Way Forward at Institute of Agriculture, Visva-Bharati, Sriniketan during November 19-20, 2016.

National Symposium on Recent Trends in Agriculture and Allied Sciences for Better Tomorrow (NSRTAS-2016), at PSB, Visva-Bharati, Sriniketan, December 4, 2016.

1st International Conference on Bio-Resource, Environment And Agricultural Sciences (ICBEAS) at Palli Siksha Bhavana, Visva-Bharati, Sriniketan, February 4-6, 2017.

Participation in Refresher course/Winter/Summer School

Kandasamy, P. (2016) Participated in the ICAR sponsored winter school on "Value addition in jute and allied fibres through product diversification and waste utilization" organized by National Institute of Research on Jute and Allied Fibre Technology, Kolkata during 15.09.2016 to 05.10.2016.

On-going projects : None

Academic distinctions

Dr. P. Kandasamy has been promoted from Assistant Professor (Stage-2) to Assistant Professor (Stage-3) by CAS.

Dr. Kishore C. Swain has been promoted from Assistant Professor (Stage-1) to Assistant Professor (Stage-2) by CAS.

Extension activity

Swain, K.C. gave lecture to the farmers on "Drip Irrigation technique" organized by Nayantara NGO, at Raipur village, Birbhum, West Bengal on 24 July, 2016.

Designing New Course/Curriculum or any Teaching Innovations

Prepared Practical Manuals for subjects viz, Farm Power and Machinery, Protected Cultivation and Postharvest Technology, Fundamentals of Soil and Water Conservation Engineering, Renewable Energy.

A brief history of the Department:

The Department of Agricultural Engineering was established on 1st October, 2016. The main objectives of the Department are teaching, research and extension activities in the field of Agricultural Engineering including, Farm Mechanization, Food and Agricultural Processing, Soil and Water Conservation Engineering and Renewable Energy Technology and also to provide scientific basis for enhancing and sustaining productivity in the farming sectors with the modern and advanced agricultural technologies. At present, the Department offers different courses viz. Farm Power and Machinery, Protected Cultivation and Postharvest Technology, Fundamentals of Soil and Water Conservation Engineering, Renewable Energy, Principles of Food Science and Nutrition, RS and GIS in NRM and Land use planning at undergraduate level in Agricultural Sciences. The Department also offers Ph.D degree programme in Agricultural Engineering disciplines. There are five students continuing Ph.D. degree in the Department. Major research areas are Precision agriculture application, climate change impact on forest biomass, Runoff modeling, Food Process Engineering, Food Technology, etc. Being a new Department, there is enormous requirement of infrastructure and equipments, including laboratory, Workshop and Departmental Building.

Any other relevant information : None

DEPARTMENT OF ANIMAL SCIENCE

(PALLI SIKSHA BHAVANA)

A Brief History of the Department:

Previously Animal Science was a part of the department of ASEPAN till September, 2016. From 1st October, 2016 an independent department of Animal Science was started. Since October 2016, ASEPAN was split into four independent departments, Animal Science being one of them.

This department offers courses of under graduate, post graduate and doctoral degrees. Considering the necessity a new course M.Sc. in Animal Science (Poultry) was started from this year. This is the first time in West Bengal where M.Sc. in Poultry Science.

The department is engaged in the following areas.

A. Teaching

1. Regular teaching programme for under-graduate, post-graduate and doctoral level
2. Remedial teaching for OBC, SC and ST students
3. Coaching classes for ICAR-JRF, ICAR-SRF etc
4. Educational tour for the students to different research institutes, private farms, farmers' field, etc

Conducting programme on Rural Agricultural Work Experiences (RAWE) for UG students(as and when required)

B. Research

Thrust areas

1. Milch cattle: production, adaptability, Livestock and environment.
2. Poultry: different species: production, adaptability, Poultry and environment.

C. Extension

1. Conducting farmers'- scientist meeting, farmers' training and imparting training to Govt. officials of Dept. of Veterinary Science and in collaboration with Rathindra Krishi Vignan Kendra, Dir. Of Veterinary & AH Department of West Bengal and NGOs.
2. Consultancy service to the farmers by the teachers of the Department
3. Dissemination of modern technology of animal production through talks in All India Radio, Doordarshan and other TV programmes and technology demonstration in annual festival of Sriniketan (Magh Mela).
4. Coordinating Farmers' Exposure visit for farmers of different parts of West Bengal

D. Organized

(4-12-2016) National Symposium on Recent Trends of Agriculture and Allied Sciences for Better Tomorrow(NSRTAS-2016).

(4 to 6 Feb 2017) International Conference on Bio-resource, Environment and Agricultural Sciences(ICBEAS-2017)

E.RESTARTED BY THIS DEPT.: A MODEL DAIRY & POULTRY FARM, ANIMAL SCIENCE DEPT.,PSB,VISVA-BHARATI(ESTD:2016-17)

The farm was restarted with all revenue budget and other funds of 2016-17 of Animal Science dept. Now all teachers of different disciplines of Animal Science will act as technical Advisor including a Scientist of Animal Science from R.K.V.K. So, in this system no need of Teacher In-charge of the farm. Externally Scientists from NDRI and Dairy Technologists of WBUAFS will be called for time to time for the improvement of the farm. The farm will run under the guideline of the Board of Studies as it is a 'Model Farm' for the interest of the students of UG, PG and Ph.d. Future Plan:-Modernization of the farm with necessary facilities & equipments for starting Production unit; and increasing staff strength according to the size of the farm.

F. Other activities

1. Regular organization of programme under National Service Scheme
2. Regular cleaning work under Sawchh Bharat Abhiyan
3. Special programme on the occasion of National Integration Day, Teachers' Day
4. Organization of annual picnic, freshers' welcome programme for the newly admitted PG students, farewell programmes for outgoing students and superannuated staff members.
5. Active participation of faculties of the Department in University sports

G. Courses Offered by the Department at UG, PG and Ph.D. Levels

- a) In B.sc (Ag)Hons. Animal Science Course offers to BSW Students. M.Sc in Poultry Science (Started From 2016-17). PH.D in Animal Science. Participated in different programmes and training with R.K.V.K, PSB.

H. Current status of Students with intake capacity in M.Sc in Poultry Science and Ph.d in Animal Science.

Level of Study	Intake Capacity (Nos.)	At Present (Nos.)
Post Graduate	08	09
Ph.D.	04	08

I. Publication of the Faculty Members (Total Nos.-2016-17)

NAME OF FACULTY	Paper in Journal	Book Chapter	Course Structure	Seminar Paper	Leaflet etc
Prof. Saroj Kumar Pyne	10	02	M.sc in Poultry Science	04	05
Dr. Jayanta kumar chatterjee	05	-	-	02	-

Tudu, N.K., Pyne, S.K. and Ghosh, N. 2016.Characterisation of three colours variety of Bengal Goats.Int. J. Sci. Env. Tech. 5(5): 3332-3338

Khan, M., Manna, D.C., Mondal, S.K., Chatterjee, J.K. and Pyne, S.K. 2017. Comparative performance of Vanaraja, RIR and Indigenous under backyards systems of raring in Birbhum districts of West Bengal. Ind. J. of Poultry Sci.

Pyne, S.K.(2017) Poultry waste recycling vis-à-vis fresh water fish culture. Presented in the 1ST International conference on "Bio-Resource, Environment and Agricultural Sciences (IGBEAS)" Feb 4-6-2017

Mondal.M, Pyne.S.K. and Samanta.G (2016) Mineral Status of feeds and fodder and its Influenc on Livestock and its Products in red Lateritic Zone of West Bengal. Ind. J. of IJBEAS, Vol.2 No.2

PATHA BHAVANA
(INSTITUTE OF PRIMARY, SECONDARY &
HIGHER SECONDARY EDUCATION)

Seminar & Paper Presentation :

Nilay Ray

September-October 2016: Participated in the Faculty student Exchange Programme at Tagore Schule, Berlin, Germany as a member of the leadership team from Visva-Bharati.

Amitabha Mukherjee

14-15 June, 2016: Presented a paper on "Investigating into the scope of Re-interpreting Mythology in Chhou of Purulia - Rethinking Myth in Folk Dramatic Forms" at the National Seminar, organised by Indian Institute of Advanced Study, Shimla.

19-22 November, 2016: Presented a paper on "Patha-Bhavana A Century Old Practice of Child Rights in Education" at the International Seminar on Decentralization, Poverty and Marginalization, organised by Kerala Institute of Local Administration.

Publications within the year April 2016 March 2017:

Departmental Publication 'Prakritipath' edited by

(i) Prof. Anil Kr. De (Chief Editor) former Prof of Chemistry Department.

(ii) Smt. Bodhirupa Sinha (Co-editor) Adhyaksha, Patha-Bhavana.

(iii) Dr. Ipsa Bandyopadhyay (Co-editor) Adhyapika, Patha-Bhavana.

Individual publication:

Bodhirupa Sinha. "Tamaso Ma Jyotir gamaya - Creativity for self-expression and self-governance in Tagore's vision on Education", The Visva-Bharati Quarterly, Vol.25, No. 2 & 3, Santiniketan 2016: 5-7.

SIKSHA-SATRA
(INSTITUTE OF HIGHER SECONDARY EDUCATION)

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

Dr. Krishnendu Dey

14 April 2016 (with Mondal, S. and Mandal S). Flower-visitors interaction, Pollination efficiency and fruit production of *Sesbania sesban* (L.) Merr. Proc. National Seminar on Relevance of Dr. Ambedkar for Inclusive development in India, at Lipika, Visva-Bharati, Santiniketan, India.

7-8 November 2016: Flower-visitors interaction, Pollen dispersal and Pollination of *Mitragyna parvifolia* (Roxb.) Korth. Proc. 1st Regional Science and Technology Congress, 2016 Govt of West Bengal, at Bankura Christian College, Bankura, West Bengal.

19-20 November 2016: (with Mondal, S). Pollination Ecology of a root-nodule-legume *Sesbania Sesban* (L.) Merr. Proc. National Conference on “Self Sufficiency in Pulses : Challenges and Way Forward” Jointly organized by, the Institute of Agriculture, Visva-Bharati & The Bengal Chambers of Commerce and Industry, at Visva-Bharati, Santiniketan & Sriniketan, West Bengal.

4 December 2016: (with Mandal, S). Pollination Ecology of *Mitragyna pravifolia* (Roxb.) Korth. Proc. National Symposium on Recent Trends in Agriculture and Allied Sciences for better Tomorrow (NSRTAS-2016) at Visva-Bharati, Sriniketan.

4-6 February 2017: (with Mandal, S). Pollen-Stigma Interaction of *Sesbania Sesban* (L.) Merr. With reference to esterase and peroxidase expression. Proc. 1st International Conference on Bio-resource, Environment and Agricultural Sciences (ICBEAS), at Institute of Agriculture, Visva-Bharati, Santiniketan.

Ongoing Research Projects in the Department : Nil

i) Name of the Teacher ii) Name of the Project, iii) Sponsoring Agencies, iv) Amount Sanctioned.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

21 June, 2016: NSS Unit of Siksha Satra actively participated in the ‘World Yoga Day’

8 August 2016: NSS Unit of Siksha Satra actively participated in ‘Tree Plantation’ project

August 2016: , Class XII students of NSS Unit of Siksha Satra organised a Blood Donation Camp at Siksha-Satra.

15 August 2016: Independence Day celebration

24 September, 2016; NSS Day celebration.

10 January, 2017: NSS unit Siksha-Satra organised rally and a special drive for cashless transaction They also took part in the Swachh Bharat Abhiyan organized by Visva-Bharati.

February 2017: Class XI students visited Darjeeling and Lepchajagat on an educational tour.

14 March 2017: Inspired by digital India initiative Siksha Satra NCC Unit launched only website in Visva-Bharati www.sikshasatrancc.webs.com

19- 25 March, 2017: NSS unit Siksha-Satra organised a village camp from at Islampur Village.

Siksha Satra NCC unit has a strength of 100 cadets now, which is the maximum strength allotted to a Junior Division/Junior Wing NCC Troop with 74 JD CADETS (Boys) and 26 JW CADETS (Girls).

Total 9 cadets appeared for 'A' Cert examination this year and the pass rate is 100%. CHM Sudipta Ghosh and CDT Shouraseny Bairagya have been awarded as best JD/JW cadets form Visva-Bharati.

Participation in Special Events

24 September - 9 October 2016: A team of Dr. Jayanata Kumar Bhattacharya, The Principal, Siksha Satra, Ms Kanchan Dasgupta, a Faculty member and three students namely Arnab Pal, Saradindu Mondal and Mitali Mondal visited Tagore Schule in Berlin, Germany from in order to attend the Student-Faculty Exchange Programme. This trip had strengthened the partnership between and Tagore Schule, Berlin and Visva Bharati. This students along with the teachers had great opportunity to interact with the pupils and Faculty Members of Tagore Schule during various activities, workshops and cultural programmes.

22 March 2017: Siksha Satra NCC cadets participated in 'World forest day & World day of water' celebration programme, organised by 50 Bengal Bn, NCC. The cadets performed Rabindra-Sangeets and Rabindra Nrityas there.

Achievements :

Nilormi Paul secured 1st position in Shot-Put in Sub-Divisional Athletic Meet at Bandhgora High School in the month of September 2016. Sudipta Mondal secured IInd position in Broad Jump in District Athletic Meet at Vinay Bhavana in 21st September 2016. Inter class dodge-ball match was organized in the school on 29th April, 2017.

Stage Presentations:

The Tagore dance drama 'Bhanu Singher Padabali' was performed by the senior group students during 25 Vaisakh 7th May 2016 at Santiniketan as well as on Rabindra Sadan, Kolkata stage during 'Kobi Prayan Paksha'.

'Gupi Gaine Bagha Baine' adapted and directed by Md. Mojharul Hamid was performed at Yuva Bharati Krirangan during an All Bengal Inter-school play competition organised by Anik Natya Goshti and it bagged the best Actress Second Production, Second Best Director, Second Best Writer, Second Best Actor awards.

Siksha Satra staged 'Achalayatan' by Tagore on September 9, 2016 at the auditorium of Tagore Society Jamsedpur .

The play 'Achalayatan' by Tagore and 'Gupi Gaine Bagha Baine' adapted and directed by Md Mozharul Hamid were performed during Sarodotsava 2016 at Natyaghar, Santiniketan.

On the occasion of Drama Mela by Kalindi Natya Srijan at Lipika Santiniketan, Siksha Satra performed "Gupi Gaine Bagha Baine' adapted and directed by Md. Mozharul Hamid once again successfully.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.): Nil

Publications within the year April 2016 – March 2017. i) Text books, ii) Other books, iii) Monographs, iv) Research Papers. (Author(s), title of Paper, year Journals : National/ International :

Krishnendu Dey

‘Parag Paragmilan o Gurudev’, Bhashalipi, Kolkata-24, pp:64.

“Pollen Production, Pollen Incidence, Pollination and Fruit Production of *Carica papaya* L”, *International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS)*, 2(3), 2016: 369-376.

(with Mondal S and Mandal, S.). “Flower-Visitors Interaction, Pollination efficiency and Fruit production of *Sesbania Sesban* (L.) Merr.”, *Relevance of Dr. B.R. Ambedkar for Inclusive Development in India, Agriculture and Sustainable Rural Development*, New Delhi Publishers, 2017 (2) : 124-129.

Designing New Course/ Curriculum or any other teaching innovations introduced by the Department.

Siksha-Satra, having introduced the Higher Secondary section from 2009-10, has plans to improve the existing infrastructure and to provide platform for the students to bring out their talents in the field of music fine-arts and other performing arts apart from regular academic activities..

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

Siksha Satra, the poet’s School, an integral part of Visva Bharati was established on July 1, 1924 as an experimental School at Santiniketan at the residence of Santosh Chandra Majumder who was also entrusted with the administration of the School. After his sudden demise in 1926, Siksha Satra was shifted to Sriniketan under the charge of Palli Sangathan Vibhaga in the year 1927. Rabindranath had conceived Siksha Satra as a school that would perform significant functions in Sriniketan, in helping students to attain a completeness in all aspects. Even today, Siksha-Satra plays a key role to fulfil Tagore’s dream, with an objective to educate one’s mind that stays in perfect tune with the native soil and responds to the symphony of life and the world.

Mahatma Gandhi visited Siksha Satra in 1925 and was so pleased with its activities that he wanted to borrow the services of the Headmaster of Siksha Satra for giving shape to his own plan of Basic Education. The activities of Siksha Satra and the ideals of Rabindranath inspired Gandhi to embark on his own project of Basic Education in 1937.

Though initially the curriculum of Siksha Satra had was no specific syllabus (or recommended books), and experimented with educational innovations 1924 to 1940, subsequent pressure for formal education from the guardians of the students during the Forties reshaped the educational pattern here and formal course of study and books were recommended sometime after this period. Siksha Satra today functions as a Non-residential institution offering several subjects of study unique to its nature. The students of Siksha Satra appear in the final School Certificate Examination after Class-X and Higher Secondary Examination after Class-XII conducted by Visva Bharati. Still now, apart from formal education, students also learn weaving, wood work, agriculture, fine arts painting, modelling, dance and music to nourish the concept of complete holistic education.

Future Plans :

Siksha Satra aspires to become one of the leading centers for school education. It envisages the following for its upgradation:

Residential Facilities: One of the pre-conditions for establishing Siksha Satra was to make it fully residential in nature. Tagore had a vision of establishing a school where young learners will come in close contact with nature and grow up with the guidance of teachers and other members of the institution. Therefore we have a plan to make Siksha Satra a fully residential school by providing hostel facilities for about 800 students.

Games Complex: Siksha Satra has a plan to build a separate games complex inside the periphery of the school comprising of a concrete basketball ground, multi-gymnasium and a football and a volleyball ground. The fencing of the Siksha Satra ground is in progress. Temporary cricket pitch is also set up on the said ground.

Laboratory: Siksha Satra has plans to develop fully equipped laboratory for Geography, Physics, Chemistry and Life Science to provide learning facility to the students of classes IX to XII. A gas plant unit for chemistry will also be set up shortly.

Language Laboratory: It has been our long time plan to develop an English language laboratory to provide better learning potential for the students.

Computer Laboratory: A fully equipped computer laboratory will be set up for the senior students.

Class room: Construction work for a new building for Santosh Pathasala will be started in the near future.

Library: Siksha Satra has plans to set-up a new library with all essential provisions for the students.

Toy Museum: A toy museum will be set-up for the KG Students of Santosh Pathasala.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.:

Particulars in details of the Departmental Library :

(Please note the every columns must be filled up as per requirement of the UGC)

(a) Area in (Sq. meters) quoted for the library :	172 (Sq. meters)
(b) Is there separate provision for Reading Room :	Yes
(c) Total No. of Books :	24847
(d) Total Number of books purchased during the year :	69
(e) Total number of periodicals :	22
(e) Total number of periodical purchased in the year :	365
(f) Total numbers of readers :	964
(g) Total number of books & periodicals issued :	3714
(h) Total number of staff-members (category wise)	3

- 1) Professional Assistant
- 2) Semi-Professional Assistant
- 3) Semi-Professional Assistant

OTHER ACADEMIC CENTRE RABINDRA-BHAVANA

RABINDRA-BHAVANA

(An Institute of Tagore Studies and Research)

Rabindra-Bhavana, the largest repository of Tagore memorabilia and personal collections, draws innumerable Tagore researchers and connoisseurs every year from all parts of the world. Initiated and conceptualized by Rathindranath Tagore, Rabindra-Bhavana (Rabindra-Sadana at that time) was set up on 1st July, 1942 as a Tagore-centric research centre, with a museum and an archive. Initially housed at Udayana, Tagore's residence during the last phase of his life, it was shifted to the Vichitra building in 1961, for which Jawaharlal Nehru, had laid the foundation stone in 1958. At present, Rabindra-Bhavana comprises several units viz. museum, archives, library, audiovisual and reprography and preservation wings, and is also in charge of the Santiniketan Griha (building) and the Lipika Manuscriptorium.

Museum:

Rabindra-Bhavana Museum, the first biographical museum and 2nd university museum of India, showcases facets and events in Tagore's life, works and career. The museum boasts a collection of 4385 numbers of memorabilia (as on 31.03.2017) which are displayed in galleries in Uttarayan Complex. The main gallery exhibits the life of Rabindranath which is at Vichitra Building (First Floor). The other three galleries are (i) Gitanjali Gallery; (ii) Thakur Barir Kalyanira; and (iii) Bramha-Vidyalaya to Visva-Bharati on the ground floor of the same building. It has other four small galleries namely— (i) Rathindra-Museum; (ii) Pratima Devi Museum at Guhaghar-Chitrabhanu; (iii) Devendra Kaksha; (iv) Dwijendra Kaksha at Santiniketan Griha (building). Apart from these, there are five residences of Rabindranath Tagore at Uttarayan Complex where also a good number of Tagore memorabilia are on display.

Important events during the year

4th October, 2016: Inauguration of Gitanjali Gallery at Vichitra, Rabindra-Bhavana. Inaugurated by the noted poet Prof. Sankha Ghosh in presence of Mr. Barun Mukherjee, Member of Parliament (Rajya Sabha), at Vichitra Hall.

Exhibitions Organized by Rabindra-Bhavana

14-04-16 - 05-08-16: Thakur Barir Simontinira, at Vichitra Hall

03-07-16 - 05-11-16: Haricharan Bondyapadhyay Sardha Satabarser Srasardha Pranam, at Udayan Griha

07-08-16- 14-08-16: Poet's Last Journey, at Vichitra Hall.

15-08-16 - 24-08-16: Rhymes of Line, at Vichitra Hall

26-08-16 - 17-12-16: Rabindranath Tagore's First Visit to Japan: Centenary Celebration, at Vichitra Hall (in presence of Consul General of Japan).

18-12-16 - 12-03-16: Confluence of Mind: Rabindranath Tagore and Mahatma Gandhi, at Vichitra Hall (in presence of Director-General, National, Gandhi Museum, New Delhi).

15-03-17 – 22.03.17: *An Encounter Between two Asian Civilizations: Rabindranath Tagore and the Early twentieth Century Indo-Japanese Cultural Confluence*, at Asiatic Society, Kolkata (organized in collaboration with the Japanese Consulate).

18-03-2017: *Rabindranath Tagore and United States of America*, at Vichitra Hall (in presence of Mr. Craig L. Hall, Hon'ble Consul-General, United States of America).

Visitors at a Glance (in numbers)

Adults (Male & Female)	– 1,82,863
Students	– 57,300
Foreigners	– 467
Total Number of visitors	= 2,40,630

N.B.: The above figure excludes the numbers of VIPs along with their escorts and number of Guests of different Departments of the University.

Library

Rabindra-Bhavana Library is a primary source of information and knowledge about Rabindranath Tagore. The library serves academicians, students and researchers from India and abroad. The books of the library are mostly on Tagore, his contemporaries and related to Tagore and on the genesis and development of the University. The library is enriched with books used by Rabindranath Tagore, books gifted to Tagore by distinguished personalities of his time, different editions of the poet's work, books on his life and works at different points of time as well as translated works in different Indian and foreign languages. Moreover, the library has a wide range of rare journals and periodicals which include Tagore's writings from his early age till his final years, as well as various journals edited by Gurudeva himself.

Rabindra-Bhavana library has collections of a large number of newspaper clippings from 1912 to till date; another valuable collection is the pamphlets file. The library regularly purchases and is also gifted with books related to Tagore and his contemporaries.

Readers and, researchers are provided with Reading Room service and may also avail of photo copying facilities on demand

Rabindra-Bhavana Library at a glance

1. Total number of books	: 48,284
2. Total number of Gifted books	: 674
3. Total number of periodicals	: 13,705
4. Total number of pamphlets as on 31.03.2017	: 1927
5. Total number of books purchased during the year	: 269
6. Total number of gifted books during the year	: 179
7. Total number of periodicals purchased	: 39
8. Total number of gifted periodicals	: 44
9. Total number of gifted pamphlets	: 2
10. Total number of registered scholars	: 61
11. Total number of users	: 1779
12. Total number of material issued	: 4313
13. Retro conversion of the library document work done during the year	: 2500
14. Catalogue work done during the year	: 372

Archives:

Rabindra-Bhavana Archives is considered the largest repository of Tagore's original manuscripts, correspondences with eminent personalities both in India and abroad and other related items gifted by Tagore connoisseurs. The archive is the focal centre for Tagore-centred research activity. A total number of 136 academicians and researchers from different parts of the country and abroad visited the archives during the year. The unit is now able to provide digitized images of documents, as major portions of our collections have been digitized. Naturally original documents in the Strong Room are safe from bio-deterioration, with twenty-four hours' air-conditioning facilities inside the Strong Room.

To maximize the use of the resources, preparation of Catalogue in descriptive form is an urgent necessity. The unit has been able to complete the first part of descriptive cataloguing of additional collections earlier (Catalogue- 15). The unit is in the process of taking up the second part of the descriptive cataloguing of further additional collections.

Along with these, the unit has taken up the work of compiling and editing of almost the entire English correspondences in our collection. At present the unit is serving the readers, academicians and researchers with soft copy of descriptive cataloguing to locate specific information on demand.

In regard to conservation of Tagore Estate Papers, which require utmost care and skill as the papers are old, work has been continued during the year.

A brief synopsis of services rendered during the year: is given below:

<i>Sl. No.</i>	<i>Description</i>	<i>Activity/Remarks</i>
01	Nos. of Scholars/Researchers attended.	136
02	Nos. of DVD/Xerox copies of letters issued to different Scholars/Researchers at different times for the purpose of study.	796 DVD (JPEG)
03	Information rendered to different Scholars/ Researchers/users including registered Scholars/Users	198 occasions
04	Telephonic/Mobile/e-mail information rendered to different Scholars/Researchers/users at different times.	114 occasions
05	Nos. of Manuscripts cleaned in the Strong Room.	40
06	Print-outs given to different Scholars/ Researchers/ users.	80
07	Nos. of images from JPEG to transfer in CD/DVD/Pen drive for Scholars/ Researchers/ Official Purpose.	717
08	Nos. of images from TIFF taken out from the Strong Room to transfer in CD/DVD for Scholars/ Researchers/ users.	194
09	Monitoring of the Strong Room/ Recording & monitoring of the relative humidity and temperature with the help of dehumidifier.	At least 02 times on each working day.

Audio-Visual & Reprographic Unit and Photo-Section (Photo Archive):

Audio-Visual Unit & the Reprographic possess voice recordings of Rabindranath Tagore in wire, tape, spool and disc. It has negatives of photographs of photo collection, CD/DVD (audio and

video), Contemporary Digital Photographs, Colour Slides, Microfilm Negatives, VHS and Mini DV cassettes of Video Coverage's. Apart from films on Rabindranath or films based on his stories and poems, films on Santiniketan are preserved. Gramophone disc and audio-cassettes of Tagore's songs sung by various noted artists constitute a growing part of the audio collection. This unit has a complete set of colour transparencies and high quality digital images of Rabindranath's paintings. Apart from our regular coverage of the functions and festivals of the university, the unit has documented the Photo and Video coverage of VIPs, who are visiting the University throughout the year. Among the notable visiting VVIPs during the year were Hon'ble Chief Minister of West Bengal, Smt. Mamata Banerjee, Hon'ble Chief Minister of Tripura Sri Manik Sarkar, Hon'ble Governor of Tripura, Sri Tathagata Roy, Ambassador of Norway, Joint Secretary of MHRD, Former Governor of West Bengal, Sri Gopal Krishana Gandhi, Mr. Ricky Kej, Music Composer; American Consulate to Kolkata, Chief Economic Adviser of the Govt. of India, Secretary to Coal Ministry of Govt. of India.

Digitization processes of Photo Section are going on. The photographs of Rabindranath Tagore, his family and other eminent personalities of national and international repute are a growing part of the photo-section collections. The work of a digital descriptive data catalogue of the photo archive holdings has been started. This catalogue helps the scholars to search photographs in a more methodical manner. Now digitization of the museum objects and paintings are in process.

Reprographic and Audio-Visual Unit's work during the year:

1. Audio recording (V.B function and festivals, including the V.B study circle seminars):	3280 Minutes
2. Video recording (V.B functions and festivals, seminars etc):	3020 Minutes
3. Still Photography (V.B functions and festivals, seminars etc.): 13076 Images	
4. Digitization of Museum objects:	3924 Objects
5. Audio-Video service rendered to the scholars: 660 Minutes	
6. Print Issued from Rabindra-Bhavana A/V Unit:	673 Numbers
7. Photograph Scanned:	109 Images
8. Arrangement of Audio Equipments for Different programmers of Rabindra-Bhavana:	1003 Minutes

Photo- Section's work during the year:

1. Number of scholars attended:	76 Individuals, 4515 Minutes
2. Digital images on CD given to Scholars:	278 Nos.
3. Digital images given to different departments of V.B. :	699 Nos.
4. Descriptive Catalogue of Photo Archive collection:	358 Photos
5. Digital images (archival) given for RB exhibition & Gallery: (Exhibitions on 'Thakurbarir Kallayanira' & 25th Baishak Folders)	182 Nos.

Gift received:

1. Audio-Video CDs	17 Nos.
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Preservation Unit:

Rabindra-Bhavana has a strong Preservation Unit that takes care of the preservation requirements of old archival materials, rare and brittle books and Museum items. Fumigation, pagination, de-acidification, tissue lamination, tissue repair and binding of books are carried out in the Unit. The Unit has undertaken an excellent work by way of preserving old Tagore Estate paper for posterity.

Particulars of work done during the year:

Sl.	Particulars	Total	Total	Total	Treatments
1	Tissue Lamination	24	5988	2994	P.H. test, de-acidification and conservation process applied
2	Tagore Estate papers	4	1388	694	Fumigation for insect killing, documentation, de-binding, dry-brushing, de-acidification (Aqueous and Non-aqueous), Tissue lamination and repair, serialization, half leather and full cloth binding.
3	Archival Book Binding	28	—	—	Archival binding process
4	Book Binding	110	—	—	General binding process
5	News paper Clippings	11	2100	1050	Mark wise cutting, dating, pasting on handmade paper & mark by seal and number
6	Binding of paper clipping	11	2100	1050	Cloths bindings
7	Cover Binding made paper	42	—	—	General binding with hand
9	Tissue for Binding Book	110	560	280	Requirements wise tissue used for binding book
10	Miscellaneous works, day to day 200 stitching for entire Bhavana's (stitching) requirements and occasionally helping the sale counter.	1200 (making sets)	—	—	—

Lipika : Manuscriptorium :

Lipika Manuscriptorium is one unit for Manuscript Studies and Preservation with a collection of more than 12,500 Manuscripts pertaining to different languages and archaic scripts such as Sanskrit, Bengali, Oriya, Tibetan, Arabic-Persian and Tamil. There are also old land records of Sural Zamindars and endowment records of Joydev Kenduli (Mahanta Harikantasarana Deva Brajabasi,

Nimbark Ashram). The writing materials of the MSS include palm-leaf, Teret palm leaf, Sanchipat and Tulot paper. Some of the MSS are exceptional owing to their special textual character. Acquisition of MSS, preventive and curative conservation, examination, identification, shelf marking, keeping the items in the stack according to accession number, preparation of hand list, preparation of Descriptive Catalogues, augmenting users' activities and editing of MSS are carried out by the centre with the affirmed objective of promoting higher research based on manuscripts. During the period 95 numbers of scholars utilized the Manuscriptorium for their study and research purpose.

Departmental Seminar (Speakers, Title of the Seminar, Date)

Date	Programme	Place	Title	Speaker	Chair-Person
24-04-2016	<i>Rabindra-Prabaha</i>	Udayan Griha	Tagore and Leonard Elmhirst	Sri Pankaj Saha	Prof. Dikshit Sinha
29-05-2016	Seminar on occasion of Tagore's centenary celebration of first Japan Jatra on 1916.	Udayan Griha	Rabindranath Tagore in Japan	Prof. Somendranath Bandyapadhyay, Smt. Supriya Roy and Prof. R. Sivakumar.	Prof. Swapan Kr. Datta
27-06-2016	Special Lecture	Udayan Griha	Web of Significance – Exploring the role of Rammohan Roy and Dwarkanath Tagore in the Bengal Renaissance	Kate Simpson	Prof. Uday Narayan Singh
28-06-2016	<i>Rabindra-Prabaha</i>	Udayan Griha	Rabindranath and Literature of Latin America.	Prof. Nilanjana Bhattacharya	Prof. Abhijit Sen
03-07-2016	150 th Birth celebration lecture. Special Homage to Haricharan Bandyapadhyay	Udayan Griha	Haricharan Bandyapadhyay 150th Birth Celebration lecture	Sri Supriyo Tagore, Prof. Amal Pal & Sri Debanga Basu	Prof. U.N. Singh
25-09-2016	Special lecture	Udayan Griha	Rabindranath & Russia	Prof Purabi Roy	Prof. Sabujkali Sen
26-11-2016	Special lecture	Udayan Griha	Fire dhaka shristir shoto borshe koyekti rabindra rachana	Dr. Manabandra Mukhopadhyay	Prof. Kailash Pattnayak
17-12-2016	Special lecture	Udayan Griha	Falguni	Prof. Alpana Ray Mukherjee	Prof. Tapati
27-12-2016	Special Homage to Ramananda Chattapadhyay	Udayan Griha	150th Birth Celebration Lecture	Sri Snehasis Sur, Prof. Goutam Sen Gupta, Prof. Asoke Biswanathan, Prof. Biplob Loha Choudhury	Prof. Swapan Kr.Datta

23-01-2017	Special Lecture	Udayan Griha	Mrs. Dorothy Elmhirst	Prof Dixit Sinha	Prof. Swapan Kr. Datta
24-01-2017	Special Lecture	Udayan Griha	Ghare Bahire	Prof Gopa Dutta	Prof. Swapan Kr. Datta
29-01-2017	Special Lecture	Udayan Griha		Balaka	Prof. Amal Pal
					Prof. Alpana Ray
30-01-2017	Special Lecture	Udayan Griha	Pioneers of Modern Era: Patrick and Arthur Geddes with Rabindranth Tagore	Prof. Neil Fraser, University of Edinburgh.	

Only National and International standard Conference/Seminar/Workshop/ Exhibition etc. attended by Teacher/ Research Scholars in details: N.A.

On going Research Projects in the Department:

Kalanukramik Rabindra-Rachanavali Project financed by Ministry of Culture, Government of India:

The activities of publishing Kalanukramik Rabindra-Rachanavali have been taken up by Rabindra-Bhavana and till date one to six volumes (1281-1299 B.S. of Poets writings) have been completed and published the seventh volume of it will be published by the end of this year. Annual action plan of the rest of publication are being drawn up. The project aims at collating various writings of Tagore including poems, stories, novels, songs, dramas, essays etc., published in books, magazines, pamphlets etc. in different times. Along with this, different variations arranged chronologically have been planned to assemble under one cover. Multimedia unit has expedited the works of Kalanukramik Rabindra Rachanavali Project to complete the target is scheduled time.

- i. Name of the Teacher:
- ii. Name of the Project: Kalanukramik Rabindra-Rachanavali
- iii. Sponsoring Agencies: Ministry of Culture, Govt. of India
- iv. Amount sanctioned: 3.5 crores

Publications within the year April 2016—March 2017

- i) Rabindrakiksha, Vol. 58, ed. Tapati Mukhopadhyay, 8th May, 2016.
- ii) Kalanukramik Rabindra-Rachanavali, Vol. 5, Ashar 1423.
- iii) Kalanukramik Rabindra-Rachanavali, Vol. 6, Pous 1423.
- iv) Haricharan Bandopadhyay: Shardhasatabarshik Smaran, ed. Tapati Mukhopadhyay, Falgun, 1423.
- v) Sharing the Dream: The Remarkable Women of Santiniketan, ed. Tapati Mukhopadhyay Amrit Sen, December 2016.
- vi) Scottish Orientalism and the Bengal Renaissance: The Continuum of Ideas, ed. Tapati Mukherjee, Bashabi Fraser & Amrit Sen, March 2017.
- vii) Confluence of Minds: The Rabindranath Tagore and Patrick Geddes Reader on Education and Environment, ed. Bashabi Fraser, Tapati Mukherjee and Amrit Sen, March 2017.

Designing New Course/Curriculum or any other teaching innovations introduced by the Department: N.A.

GRANTHANA-VIBHAGA (VISVA-BHARATI)

PROGRAMMES : (Total 3)

1 June 2016 - The celebration of Rabindranath Tagore's Birth Anniversary was held at Kalamandir auditorium in Kolkata.

7 August 2016 - A new sales counter of the Granthana Vibhaga was opened at Chataka in Santiniketan on 22 Sravana.

23 December 2016 - A book-release function was held in front of the Granthana Vibhaga stall at Paush Mela in Santiniketan.

PUBLICATIONS : (Total 64)

New titles : (Total 12)

1. DARSAN (VISVA-VIDYA SAMGRAHA) (New) (A volume of four Visva-Vidya books on Western Philosophy with new introduction and biographical notes on the authors) ISBN : 978-81-7522-633-3
2. VISVA-BHARATI PATRIKA (Baisakh-Ashar 1422) (New) Editor : Amitrasudan Bhattacharya
3. BLACK HOUSE (KALO BARI) (New) Editor : Sanjoy Kumar Mallik ISBN : 978-81-7522-622-7
4. KALANUKRAMIK RABINDRA RACHANAVALI (VOL.5) (New) Author : Rabindranath Tagore ISBN : 978-81-7522-635-7
5. RABINDRA SAPTAHA BHASAN (1422) (New) Editors : Indrani Mukhopadhyay, Ramkumar Mukhopadhyay, Amartya Mukhopadhyay ISBN : 978-81-7522-639-5
6. SILPA (VISVA-VIDYA SAMGRAHA) (New) Page 2 of 7 Introduction by: Satyajit Chaudhury ISBN : 978-81-7522-634-0
7. VISVA-BHARATI PATRIKA (Sravana - Aswin 1422) (New) Editor : Amitrasudan Bhattacharya
8. ADHUNIK BANGLA (VISVA-VIDYA SAMGRAHA) (New) Introduction: Swapan Basu ISBN : 978-81-7522-645-6
9. KALANUKRAMIK RABINDRA RACHANAVALI (Vol.6) (New) Author : Rabindranath Tagore Editor : Goutam Bhattacharya ISBN : 978-81-7522-643-2
10. VISVA-BHARATI PATRIKA (Kartik - Poush 1422) (New) Editor : Amitrasudan Bhattacharya
11. FIVE PORTRAITS RABINDRANATH TAGORE (New)

Reprints : (Total 52)

1. INTRODUCTION TO TAGORE (Reprint) Editors : Bhudeb Chaudhuri, Nanigopal Biswas, Dipankar Chattopadhyay, Ashin Dasgupta, Sisirkumar Mukhopadhyay, Supriya Tagore ISBN : 978-81-7522-155-0
2. ALOR PHULKI (Reprint) Author : Abanindranath Tagore ISBN : 978-81-7522-051-5
3. NIRBAN (Reprint) Author : Pratima Tagore ISBN : 978-81-7522-626-5
4. SVARABITAN (VOL.11) (Ketaki) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-046-1
5. SVARABITAN (VOL.35) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-456-8

6. SVARABITAN (VOL.41) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-431-5 Page 3 of 7
7. SVARABITAN (VOL.5) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-426-1
8. SVARABITAN (VOL.20) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-139-0
9. SVARABITAN (VOL.26) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-303-9
10. SVARABITAN (VOL.37) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-079-9
11. RABINDRAJIBANI (VOL.4) (Reprint) Author : Prabhatkumar Mukhopadhyay ISBN : 978-81-7522-430-6
12. RABINDRARACHANAVALI (VOL.5) (Popular Edition) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-360-8
13. BHANUSINGHER PATRABALI (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-402-5
14. JIBANSMRITI (Sachitra) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-512-1
15. SVARABITAN (Vol.3) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-235-9
16. SVARABITAN (Vol.31) (Gitamalika - Vol.2) (Reprint) Editor : Rabindranath Tagore ISBN : 978-81-7522-487-2
17. GALPOGUCCHA (Vol.4) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-028-7 Page 4 of 7
18. Svarabitan (Vol.28) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-550-3
19. Svarabitan (Vol.38) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-234-2
20. Seser Kabita (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-266-3
21. Santiniketan (Vol.1) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-406-3
22. Santiniketan (Vol.2) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-637-1
23. Giticharcha (Vol.4) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-257-1
24. Bisarjan (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-561-9
25. Dakghar (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-438-4
26. ACHALAYATAN (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-453-7
27. BERAL THAKURJHI (Reprint) Author : Bibhutibhushan Gupta ISBN : 978-81-7522-053-9
28. CHHINNAPATRABALI (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-319-6
29. CHITRANGADA (PATHANTAR) (Reprint) Page 5 of 7 Author : Rabindranath Tagore ISBN: 978-81-7522-311-0
30. GITICHARCHA (VOL.1) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-040-9
31. PRANTIK (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-532-9
32. SVARABITAN (VOL.9) (PRAYASCHITTYA) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-077-5
33. SVARABITAN (VOL.29) (KALMRIGAYA) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-427-8
34. SVARABITAN (VOL.52) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-457-5
35. RABINDRA PARICHAY (Reprint) Editors : Sri Bhudev Chowdhury, Ashin Dasgupta, Dipankar Chattopadhyay, Sri Nanigopal Biswas, Sri Sisirkumar Mukhopadhyay, Sri Supriya Tagore ISBN: 978-81-7522-493-3
36. SANCHAYITA (Board) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-047-8
37. SANCHAYITA (Board) (Reprint) - Part Author : Rabindranath Tagore ISBN : 978-81-7522-047-8

38. CHHARAR CHHOBI (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-144-4
39. MAHATMA GANDHI (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-130-7
40. SESH SAPTAK (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-391-2 Page 6 of 7
41. BANGLA SABDATATTWA (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-067-6
42. SVARABITAN (VOL.21) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-217-5
43. RABINDRAJIBANI (Vol.2) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522- 218-2
44. SONARTORI (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-545-9
45. SVARABITAN (Vol.21) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-217-5
46. SVARABITAN (Vol.33) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-408-7
47. SVARABITAN (Vol.46) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-164-2
48. SVARABITAN (Vol.60) (Reprint) Author : Rabindranath Tagore ISBN : 978-81-7522-518-3
49. RUPABALI (Vol.2) Author : Rabindranath Tagore ISBN : 978-81-7522-083-6
50. SAMKALITA (Vol.2) Author : Rabindranath Tagore ISBN : 978-81-7522-023-2
51. SWARABITAN (Vol.1) Author : Rabindranath Tagore ISBN : 978-81-7522-109-3
52. SWARABITAN (Vol.55) Author : Rabindranath Tagore Page 7 of 7 ISBN : 978-81-7522-567-1

PARTICIPATION IN BOOK-FAIRS: (Total 7)

1. Visva-Bharati Library Book-fair from 26 to 29 September 2016 at Visva-Bharati Central Library premises at Santiniketan.
2. Special Book Bazar for Granthana Vibhaga agents to clear old stock from 24 to 27 October 2016 at Visva-Bharati Granthana Vibhaga, Kolkata.
3. Kalyani Book-fair from 3 to 12 December 2016 at Kalyani.
4. Konnagar Book-fair from 9 to 18 December 2016 at Konnagar.
5. Pous Mela Book-fair from 23 to 25 December 2016 at Visva-Bharati, Santiniketan.
6. Sahitya Utsav O 19th Little Magazine Fair 2017 from 11 January 2017 to 15 January 2017.
7. 41st Kolkata Book-fair 2017 from 25 January 2017 to 5 February 2017.

INDIRA GANDHI CENTRE

DEPARTMENTAL SEMINARS:

On April 4, 2016 USIEF Officer, Mr. Sumanta Basu, came to Visva-Bharati, for an open ended workshop on Fulbright scholarship programme. This workshop was arranged for general students, as well as foreign students studying in Visva-Bharati.

On 20th and 22nd August, 2016 Indira Gandhi Centre celebrated "Azadi 70, Yaad Karo Kurban". It identified the following ways to celebrate the 70 years of Indian Independence (1) Essay competition and (2) Musical programme.

Like other years, foreign students were welcomed by Indira Gandhi Centre on 27.09.2016. In the 'Fresher's Welcome' a musical bonanza was staged by the senior foreign students for new foreign students.

As per the instruction of Ministry of H.R.D. Govt. of India, Vigilance Awareness week was observed by Indira Gandhi Centre, from 31st Oct to 7th Nov, 2016 at the premises of Indira Gandhi Centre. Posters containing anti-corruption slogans of national and International stalwarts were displayed. International Mother Language Day was celebrated on 21.02.2017. A grand programme of music, dance, recitation etc. was organized. Bengali drama "Kabar" was performed by some senior foreign students at Lipika Auditorium in the evening. This programme was organised jointly by Foreign Students' Assistance Cell, Indira Gandhi Centre & Bhasha-Bhavana.

On 28th of February, 2017, Indira Gandhi Centre & Foreign Students' Assistance Cell in association with Bhasha-Bhavana organised a one day festival for 'International Culture and its Culinary Heritage' at 'Lipika Complex'. Delicious cuisines of 21 countries (India being one of them) were prepared and sold. A colourful musical programme of various countries was also one of the major attractions of this 'International Culture and its Culinary Heritage' festival.

Extension activities /NSS/ Cultural and other activities organised by the Department.

Indira Gandhi Centre works as the soul mate of the Foreign Students' Assistance Cell.

It has also extended its helping hand to the proper functioning of MoU operation of Visva-Bharati.

6. Publications within the year April 2016 to March 17

i.) Text books, ii.) Other books, iii.) Monographs, iv.) Research Paper. (Author (s), title of paper, year journal volume No. Pages), v.) Number of paper published in Peer/reviewed Journals: National/ International.

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The 'Indira Gandhi Centre for National Integration' was established as a part of Visva-Bharati in 1986 with the funding of UGC in tune with the ideas of Tagore's universal brotherhood, feeling of oneness. Later in December 2012, the Centre was renamed as "INDIRA GANDHI CENTRE", a part of Tagore Memorial Institute (TMI), widened its area of focus on INTERNATIONAL UNDERSTANDING AND RELATIONS.

The Centre proposes to act as a forum of academic, social and cultural interactions among foreign students and scholars of this University with specific interactive programmes.

Now INDIRA GANDHI CENTRE (IGC) with its prominent responsibility of national integration and international understanding will act as the nodal organisation of the University to promote and carry out specific programmes which will maintain the national importance of Visva-Bharati along with its projection at the international arena with its legacy and prospects of the modern era. Accordingly, the competent authorities of the University approved the establishment of 'Bangladesh Bhavan' now under process.

Any other relevant information, which in the opinion of the Head of The Department is worth-reporting should be included.

IGC and Foreign Students' Assistance Cell Visva-Bharati jointly organized Freshers' Welcome (Nabin Baran) for the Foreign students studying in Visva-Bharati on 27.09.2016.

For the first time, International Culinary Heritage was placed side by side the National Culinary Heritage and the programme was attended by the Vice-Chancellor, Registrar, Foreign Students Advisor, students, teachers, and professors. Only one day festival was a grand success.

AGRO-ECONOMIC RESEARCH CENTRE

On-going Research Projects in the Department:

Sl. No.	Name of the Project	Sponsoring Agency	Amount Sanctioned
1.	Farmers Suicides: Causes and Policy Prescription in West Bengal.	Ministry of Agriculture and Farmers Welfare, Government of India	Rs.142.31lakh
2.	Economic analysis of cost & return of off season vegetables with focus on poly house effect in the state of Sikkim.	Ministry of Agriculture and Farmers Welfare, Government of India	
3.	An economic analysis of protected cultivation under MIDH in the state of Sikkim.	Ministry of Agriculture and Farmers Welfare, Government of India	
4.	Indigenous rice varieties in Sundarban delta and their role in ensuring local food security in the face of climate threats.	Ministry of Agriculture and Farmers Welfare, Government of India	
5.	Assessment of the status of dairying in West Bengal and potential to improve socio-economic status of the milk producers and convergence of all central and state schemes at district level.	Ministry of Agriculture and Farmers Welfare, Government of India	

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:

In 1953 when the ministry of Food and Agriculture, Government of India was planning to expand the facilities for agricultural economics research in the country through the establishment of four regional research centres, Sri Rathindra Nath Tagore, the then Vice-Chancellor of Visva-Bharati University submitted a proposal that one of the centres be established at Visva-Bharati to enable it to continue and extend the work it has been doing in this field. The then the Ministry of Food and Agriculture accepted this proposal and approved of the establishment of the Agro-Economic Research Centre for East India under Visva-Bharati University. Thus the Agro-Economic Research Centre for East India started functioning at Visva-Bharati, Santiniketan from July 1, 1954. At this time, three more Centres were established at Delhi, Pune and Madras to cover the country as a whole. There are 15 Agro-Economic Research Centres/units today covering all parts of the country all of which are sponsored by the Ministry of Agriculture.

Since its inception, the centre has been functioning within the Visva-Bharati University, its affairs

being governed and managed by the University. The centre is financed by annual grants-in-aid from the Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi.

The main planks of activities of the centre initially included conducting village surveys, studies, investigations of the fundamental problems being experienced in an agricultural economy and rural development as also to provide technical advice to the central as well as state governments on the issues referred to by them.

With the passage of time, area of operation has undergone changes. At the time of inception, the Centre had a jurisdiction covering the states of Assam, Bihar, Orissa and West Bengal. The area was too large and with limited resources at the command of the centre, it was hardly possible to do proper justice to the problems in the individual states. With the opening of new centres at various places, at present, the centre has been operating in an area which comprises of West Bengal, Sikkim, and Andaman and Nicobar Islands

The centre over its long life span of more than 56 years has done a lot of research activities and thus provided useful services to the nation and to the cause of academic upliftment of the university. By the year 2016-17, this Centre has completed 194 studies covering a wide spectrum of subjects pertaining to agricultural growth and development which inter-alia include employment, water resources, credit, small and marginal farmers, marketing, seeds, fertiliser, horticulture, rainfed farming, co-operation, land use, subsidies, regional planning, NGOs, food economics, fisheries, agro-rural industries etc.

As per the terms and conditions, the centre had been working on research problems suggested by the Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare, Government of India. The Ministry of Agriculture has accorded permanent status to the centre in 1990 and then with a view to integrating the centre with the university, the ministry had decided to enter into a Memorandum of Understanding between the Union of India and the University. Consequent upon the signing of MOU, the university formally issued notification regarding the integration of the centre with the university, and now the A.E.R.C, Visva-Bharati stands integrated with Visva-Bharati University.

Particulars in details of the Departmental Library:

- a) Area in (Sq. Ft.) quoted for the library: 450 Sq.ft.
- b) Is there separate provision for Reading Room? Yes
- c) Total no. of books 7202 as on March, 2017.
- d) Total number of books purchased during the year 31
- e) Total number of books received by way of gift during the year 04
- f) Total number of periodicals 152
- g) Total number of periodicals purchased during the year 6
- h) Total number of periodicals received by way of gift during the year 82

SC/ST (SCHEDULED CASTE/SCHEDULED TRIBE) CELL

Visva-Bharati has set up a Special Cell for SC & ST in 1983 and it has the following activities: The Special Cell for SC & ST has been set up by Visva-Bharati to look after the implementation of reservation policy in respect of student admission, recruitment of Teaching and Non-teaching staff, promotion of Non-teaching staff, Hostel accommodation and quarter allotment. A Deputy Registrar is posted to look after the activities of the Cell and he is assisted by one Section Officer, one Personal Assistant (Level-B), one Senior Assistant, one Office Assistant and one Peon. Presently, this Cell is functioning as SC/ST/OBC and PWD Cell.

Dr. Prashant Meshram, Accounts Officer, Visva-Bharati and Dr. Sanjoy Ghosh, Deputy Registrar, Academic & Research, Visva-Bharati have been appointed respectively as Liaison Officer (honorary) for SC, ST and PWD and as Liaison Officer (honorary) for OBC.

A Standing Advisory Committee on SC/ST has been constituted by the Upacharya to review and monitor the implementation of reservation policies in respect of the employees (Teaching and Non-teaching) and Students' Admission. Moreover, a Three Member Committee has also been constituted to observe the proper implementation of reservation policy in respect of admission for SC, ST, OBC and PWD students in different Bhavanas/Sadanans.

The Cell is maintaining Reservation Rosters and Reservation Roster Registers of SC/ST/OBC of Teaching and Non-teaching posts in direct recruitment and in case of promotion. The Reservation Registers are also introduced for Persons with Disabilities in all Group A, B, C & D posts in direct recruitment and in case of promotion of Group C & D of Non-teaching posts only. The Govt. of India Guidelines/Circular regarding reservation policy and other related matters are implemented with the approval of the Executive Council of the University. A special recruitment drive was made to fill up the backlog and short fall of SC/ST in teaching posts in the year 2010. Apart from this, according to the UGC's guidelines vide letter No.F.1-5/2006 (SCT) dated 25/07/2006 the posts of Professor and Associate Professor have also been brought under the purview of reservation and a few vacant posts of Professors and Associate Professors have been filled up, however, it will take time to clear the shortfall in recruitment of SC/ST candidates on these posts.

The Schemes of 'Remedial Coaching', 'Coaching for NET' and 'Coaching for Entry into Services' at UG & PG level were introduced for SC/ST/OBC and Minority students of the University as instructed by the UGC under General Development Assistant Grant during XI Plan Merge Scheme and a large number of students of these communities is getting benefited from these schemes.

The SC/ST Cell regularly collects and maintains Statistical Data on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commission for SC,ST & OBC/ Lok Sabha/Rajya Sabha in the prescribed format from time to time.

Any complaints/grievances lodged by the SC/ST students or employees are timely looked into and brought to the notice of the university administration for their timely and proper redressal.

With the approval of the competent authority of the University the Cell is following 5% reservation for PWD and Central List of OBC in admission.

CENTRAL LIBRARY

Visva-Bharati Library Network

The origin of Visva-Bharati Library Network is traced back to Rabindranath Tagore starting a college (Visva-Bharati) in Santiniketan in the year 1921 with the proceedings of the Nobel Prize he won in 1913. The Library was developed and enriched with great care by Gurudev himself. On his death in 1941, his personal collection was added to this library.

Currently, the Library Network comprises of the Central Library, 12 Sectional (Bhavana) Libraries and 30 Seminar Libraries. All the libraries in the system are fully automated and networked. Though located at various places in the two campuses, they function virtually as a single unit.

It has been a year of path-breaking developments in the Library Network. New library home page has been developed in lieu of old one (<http://14.139.211.2/library/index.php>); Physical Stock (Book) Verification of all the libraries of the network (Central Library, 12 Bhavana / Sectional Libraries, and Seminar Libraries) have been completed through out-sourcing agency; More than 700 hundred logins has been created to ensure easy and quick access to full texts digitized resources through National Digital Library (NDL: <https://ndl.iitkgp.ac.in/>); The standing committee for writing-off of library books had met twice on 01/09/2016 and 15/11/2016 and recommended 1585 books and 2797 books respectively (total 4382 books) for writing-off; replaced 47 Personal Computers (PCs) in the Network, acquired one new Server (HP make) to strengthen the automated library services, Braille Unit of the Central Library has been revamped by providing three new PCs, Introduction of URKUND anti-plagiarism software; Organized one Book Fair, etc.

Library Timing:

Central Library:

All days except weekly holidays (Wednesdays & Sundays): 7 am - 8 pm (reading room up to 9pm)

Wednesdays and Sundays: 10 am - 5 pm (reading room up to 6pm)

Total no. of days Library was open in the year: (a) 241 days regular/2-shift days + (b) 96 days Weekly off-days/one-shift days + (c) 13 days other holidays one shift only reading room = 350 days. [The Central Library is open all days of the year except three closed holidays viz., Republic Day, Independence Day and Gandhi Jayanti, Poush Utsav, Basantotsav, Gandhi Punyaha, etc.]

Sectional Libraries: Most of them are open during 9.30 am - 6 pm. Weekly off days differs from library to library. However, all are closed on Wednesdays.

1. Total Number of Books /Periodicals added during the Year 2016-2017

a) Books purchased (Print)	2,226
b) E-books purchased (Perpetual) & subscription	Nil
c) Books received as gift	206
d) Total books added during the year (a+c)	2,432
e) Titles of journal subscribed	373
(for Central Library	250
(including 40 Magazine, and 18 Newspaper)	
and for Sectional Libraries 123)	

f) Issues of journals received as gift	11,566
g) CD/DVDs (contained in journals) subscribed	24

**2. i. Total Number of Books
(Print and Electronic) accessioned /
purchased as on 31.03.2017**

Books: Purchased	:	4,28,164
Books: Gift	:	9,295
Total Books (Print)	:	4,37,429
E-Books: Purchased	:	3,836
E-Books- Subscribed	:	1,15,000
Total E-Books	:	1,18,836

**2. ii. Total Number of Periodicals accessioned/ subscribed
as on 31.03.2017**

a) Accessioned Issues of Journals & Newspaper (Subscribed)	:	11,566
b) Accessioned Issues of Journals (Gift):		11,250
c) Accessioned for Bound Journals		NIL

3. Total Number of Books transferred to Departmental / Sectional Libraries Seminar Libraries		358
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4. Issue and Return of Books/ Periodicals

a) Books: Issued		29,601
b) Books: Returned		25,924
c) Books consulted at Reference Section (Ref. Doc., Gen. Stack doc.)		3,519
d) Books consulted at Reading Room		1,558
e) Periodicals consulted (loose issues, bound volumes & online)		2,921

5. Photocopy Services with number of documents and pages

a. Photocopy of loose issues (Periodical)		77 (615 pages)
b. Photocopy of documents from Stack and Reference		116 (1,831 pages)

6. Other Modern Technology-based Services

a) Number of CD / DVD consulted at Periodical Section		12
b) Total users Browsed E-Journal / Database at Periodical		10,420
c) Total UGC-INFONET e-journals full-text downloads or views by users		115837
d) Total Users Used OPAC search Facilities		26384
e) Inter Library Loan service through DELNET & BCL		18
f) Number of document digitized on reader's request		08
g) Total pages digitized on reader's request		44
h) Article Delivery Services through mail		71

**7. Total Hits for browsing e-resources from different sources/databases:
E-Sodhsindhu (Inflibnet):**

115837

JGate+ (Inflibnet)	:	1330
Sage online journals	:	4546
Indiastat	:	6748
JCCC (Inflibnet)	:	175 Hits

8. Membership for Inter - Library Loan (ILL) / Document Delivery Service (DDS)

American Library, Kolkata

British Council Library, Kolkata (More than 7,000 e-journal and 1,00,000+ e-books)

DELNET, New Delhi

Indian Library Association (ILA)

IASLIC

JCCC@INFLIBNET

Indiastat.com

J-gate (More than 37,000 e-journals)

Odia Patra Patrika Sangraha (Digital Compilation of Odiya Periodicals) - 1856 - 1950

9. Library Members *

Total Registered Members	8003
(Teachers - 787, Scholars - 2274, Students - 3974, Staff - 833, Others - 135)	
Total number of Readers visited Reading Room	13,676
Total number of Readers visited Periodical Section	33,335
(Including 10,420 for surfing e-resources, 2,527 for Current Journals, 394 for thesis consultation, 680 for scan documents and 60 for access rare books)	
Total number of Readers visited at Reference Section	7,876
Total number of Readers used the Stacks	26,958
Total number of users accessed the library resources through library home page (http://14.139.211.2/library/index.php)	43,939

10. Temporary Members / Scholars visited during the Period 481

Total No. of days/times Library used/visited by 414 temporary members	2,922
No. of Persons: International	26
[Bangladesh - 9, Japan - 5, China - 3, Germany - 2, and 1 each from USA, UK, Italy, Newzeland, Australia, Switzerland, and Sweden]	
No. of days used/visited:	401
No. of Persons: West Bengal:	387
No. of days used/visited:	2,527
No. of Persons: Other States	68
No. of days used/visited:	253

11. Documents Processing

(Books Classified & Catalogued and added to the Catalogue database by Central Library by using library software (LibSys) during 2016 -17)

Purchased Books:	2,227
Gift Books:	206

Retro-conversion/Editing/Updating	618
Total number of Books catalogued	3,051
Books enlisted as damaged and placed before the Standing Committee for Writing-off- (Meeting 01/09/2016 - 1585 books and 15/11/2016 - 2797 books) -	4,382

12. Braille Unit:

No. of User	Total No. of Braille Books	No. of Days/ Times visited	Used time (in hour)	No. of	No. of Pages	No. of students involved in recording
15	04	248	509	0	0	0

13. Publications

- Monthly Library e-Newsletter (12 issues released)
 - Library Bulletin - 'Current Periodicals-2017' for Visva-Bharati subscribed Journals.
 - Library users' manual has revised and uploaded to the library website.
 - Library reference manual has revised and uploaded to the library website.
14. Exhibition of Books, Digitization and Celebrations:
- 19 exhibitions of books and allied materials on important personalities were organised in the Reference Section.
 - Regular uploading of theses (available in softcopy) on Shodhganga Database and Library Resource base by using LibSys is going-on. Total 175 theses are uploaded during the year.
 - Celebrations: The Library Day - 20 December 2016; Vigilance Awareness Week - 31 October to 05 November 2016 and Gandhi Punya -10 March 2017.

15. Library Automation:

Visva-Bharati Library is connected with the Campus- wide Fiber Optic Network named GitanjaliNet (INFLIBNET). Library system has total 164 PCs (including 47 old PCs replaced with new one), 02 laptop (including 01 old replaced with new one), 32 printers (including 2 network printer cum copiers, 1 slip printer and 20 barcode printers), one document camera, one web camera, one digital camera, two LCD Projectors at its Central Library and 12 Sectional Libraries. Library offers services and facilities of browsing e-journals, online databases, e-books to its users. On-line searching, e-mail facilities for academic and research purposes, etc. have also been provided by the Library.

Library Management Software LibSys-7 (Unicode Web compliant) is being used for automating the library activity and services. All daily library operations and services i.e. Acquisition of library documents, Cataloguing, Serial control, Circulation, OPAC, e-mail alert on overdue books etc. are going on smoothly on this Library Management Software. Requisite form fill-up through online by using LibSys has also been introduced from this year. Library catalogue database covering almost total holdings of Central Library, other Sectional Libraries and Granthan Vibhaga are accessible now on Intranet (<http://172.16.2.132/library/index.php>) / Internet (<http://14.139.211.2/library/index.php>).

Presently, Visva-Bharati Library catalogue database holds 5,78,843 titles of documents containing 6,98,697 individual accession numbers including 41,518 bound volumes of journals and 2002 theses. A number of 'Current Periodicals-2017' contains 373 titles, 40 magazines, and 18 daily newspapers, etc. In addition, e-books have been added to the collection (3,836 titles in perpetual mode and 1,15,000 titles through various consortia) from world famous publishers/aggregators (Elsevier, Cambridge Online, Springer, Sage, Taylor & Francis, Oxford University Press and British Council Library) which have been linked (alphabetical, subject-wise, publisher-wise) on the library web page for browsing from the campus.

Central Library has made an Institutional Repository of syllabuses of various courses. Question papers of different examinations held at Visva-Bharati since 2007 are also added to this Institutional Repository. These question papers/syllabuses can be accessed, downloaded and/or printed over the Campus Network through Central Library web page. This Institutional Repository is being regularly used by the library members. The Visva-Bharati Library invites its faculty members and research scholars to upload their publications in Institutional Repository (Open Archive) and encourages others to browse such publications. The Open Archive now contains near about 94 articles of Visva-Bharati fraternity (Faculty -67, Library Staff - 24, Scholars - 03).

a. E-Resources:

The library has the following e-resources, which are regularly browsed through Library Home Page (<http://172.16.2.132/library/index.php> or <http://14.139.211.2/library/index.php>).

E-journals through E-ShodhSindhu (INFLIBNET)	-	9,013
Free e-journals from publishers (Complementary)	-	47 +
E-Books Purchased (Perpetual)		
& Subscription/consortia		1,18,836
Free online books	-	869 +
DVDs of Old Digitized Documents	-	1074
CD-ROMs	-	620 +
Digitized Books	-	29,689

b. Data bases access facilities:

- American Library, Kolkata
- British Council Library, Kolkata
- Cambridge Online
- DELNET, New Delhi
- Elsevier Science
- Emerald Management
- India Stat.Com
- J-Gate
- JSTOR
- ISID: Inst of Industrial Development
- Nature Archive 1987-1986
- Odia Patrapatrika Sangraha (digital compilation of Odiya periodicals) 1856-1950
- Oxford University Press

SAGE e-Reference
Sage Research Method Online (SRMO)
Springer
Taylor and Francis
Wiley Blackwell

Seminar / Workshop / Exhibition / other programmes organized by Central Library, Visva-Bharati: Five (05) Users Learning Programmes on 'How to use Library Resources' were organised for new library members of different departments on July 15, 21, August 06, 30, September 01. Total 82 students and 3 Library Officer of Central Library and Hindi Bhavana have attended the programme. Speech on Transparency in Procurement of Goods and Services on 05 November by Dr. Prashant Meshram, Accounts Officer, VB. Twenty-four (24) participants attended the Lecture.

Training on Online Library Membership Registration has been organized for the library staffs on July 2, 2017. Total 24 staffs have attended the programme.

An awareness programme on Fire Fighting System has been organized on 12 July 2017. Total 48 staffs and security have attended the programme.

An awareness programme on the product CUP & SRMO was organized on 4 August 2017. Total 16 faculties of different department have attended the programme.

A meeting on stack arrangement organized for the staffs of the Central Library and 13 staffs attended the meeting.

Seven (07) visits from the different universities to the Central Library on September 15, October 27, November 5 (2 different visits) in 2016, January 31, February 18, March 11 and 23 in 2017 by Dept. Library and Information Science, Calcutta University, Dept. Library and Information Science, Gauhati University, Sambalpur University, Salesian College, Siliguri, visit of Hon'ble M.I.C. Sadiquallah Chowdhury and team, Dept. Library and Information Science, Rabindra Bharati University 2 Library Officer Central Library, VB), participants of national workshop (63 participant in two days).

Two two-days Workshop on 'Research Methodology' for faculty and Ph. D. Scholars have been organised during 16-17 February and 27-28 March 2017. The first round was jointly co-ordinated by Sri Koushik Ghosh and Sri Pradip Hembram, 48 participants (contains scholars - 41 and faculty members -07) have attended the programme.

One two-day workshop organized on 'Reference Management Tools' organised by Visva-Bharati Library Network, Visva-Bharati, Santiniketan held at Conference Hall, Central Library during 28-29 November 2016. The programme have jointly been co-ordinated by Sri Koushik Ghosh and Sri Keshab Chandra Sinha.

One two-day 'Workshop on Ubuntu & Koha', organized in association with Computer Centre, Visva Bharati & the Visva-Bharati Library Network for practising Librarians of Birbhum and Burdwan District during July 25 - 26, 2016 at Central Library, Visva-Bharati.

**Conference/ Seminar/ Workshop/ Invited Lecture etc. attended by the Library staff:
Nimai Chand Saha**

Invited to chair a technical session in a three-day National Seminar (including one day Re-union meet) on 'Efficient Library and Information Services in the digital era' and Re-union organized by Department of Library and Information Science, Burdwan University, during 24-26 March 2017 and chaired the technical session on 25 March 2017.

Invited as resource person to chair a technical session in a one-day National Seminar on 'Towards Knowledge Society & Role of Academic Libraries: Problems and Prospects' organized by Department of Library and Information Science, Rabindra Bharati University, Kolkata, on 18 March 2017 and chaired the technical session - II.

Invited as resource person to deliver one lecture in the National Workshop on 'Manuscriptology and Palaeography' organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati in association with NMM, New Delhi & RRRLF Kolakta during 04-24 March 2017 and delivered one lecture on 'Save Manuscripts and Save Culture in the e-society' on 10 March 2017 at 10.15am - 11.45am

Invited as a resource person by the Course Coordinator of the Refresher Course in Library and Information Science at the UGC-HRDC, University of North Bengal, Darjeeling and delivered two lectures on 'Disaster vis-à-vis Disorder Management in Libraries: Prospects & Aspects' and 'Joint Use Library vis-à-vis Community Library: Problems and Prospects' during 07 November and 08 November 2016, respectively.

Invited as resource person to deliver a lecture in a one-day National Seminar on 'Relating the Digital and Social Space in Educational Context' organized by N. S. Polytechnic College, Abhirampur, Burdwan, on 25 May 2016 and delivered lecture on 'Open Society, Open Education and Open Source Resources: A Missing Link'.

Invited to deliver lecture in the Research Methodology Course in Social Sciences organized by A. K. Dasgupta Centre for Planning and Development, Visva-Bharati on 13 December 2016 and delivered lecture on 'Reference writing and Plagiarism Checking'.

Invited as a resource person by the TDB College authority in a one day seminar on 'Changing Scenario of Higher Education and College Libraries' on 26 September 2016 and delivered lecture on 'Expectation of the Learners and Existence of the Libraries: Bridging the Gap'.

Invited as speaker by Pratichi Trust, Santiniketan to deliver one lecture in the one day workshop on "Community Library as Bridging the Gap in between Community, Education and Development: Problems and Prospects" at the Conference Hall, Central Library, Visva-Bharati on 05 May 2016.

Invited as speaker in a one-day District level seminar on 'Public Library Services and Awareness' organized by Birbhum District Library at Bolpur Town Library on 22 November 2016 and delivered speech on 'Public Library Services in recent days: Changes and challenges'

Invited as guest in the 350th discussion by the President and Secretary of 'AJAY' one of the popular local publication of Katwa, Burdwan on 06 November 2016 and delivered a lecture on "role of local publication in preserving cultural history".

Delivered one invited speech on the eve Public Library Day-2016 at Birbhum District Library, Suri on 'Role of Public Library in the present Society: Changes and Challenges' on 29 August 2016.

Delivered one invited speech on the eve Public Library Day-2016 at Lokepara Govt. Sponsored Rural Library, Kuliara, Birbhum on 'Importance of Rural Library in daily life' on 27 August 2016.

Invited by the Principal, St. Teresa's School, Bolpur as an expert to provide necessary guide for the development as well as modernize the school library to meet the current needs of the school students and visited the college library on 18 July 2016.

Invited by the Head Master, Bolpur High School, Bolpur as an expert to provide necessary guide for the development as well as modernize the school library to meet the current needs of the school

students and visited the college library on 16 July 2016.

Invited by the Principal, T. D. B. College, Raniganj, Burdwan as an expert to provide necessary guide for the development as well as preparation of the college library regarding accreditation by NAAC and visited the college library on 05 June 2016.

Invited as speaker by N. S. Polytechnic College, Abhirampur, Burdwan to deliver one lecture on personality development and delivered lecture on the topic "Personality Development: Why and How?" at the campus of the Institute on 25 April 2016.

Invited as special guest of honour & speaker by N. S. Polytechnic College, Abhirampur, Burdwan on the occasion of inaugural ceremony of 'Mega Job Fair - 2016' and delivered lecture on the topic "Job fair as a platform to get job" at the campus of the Institute on 22 April 2016.

Academic attachments:

Appointed as Guest Faculty in the Department of Library & Information Science, Burdwan University, Burdwan and take-up classes once in a week (Wednesday)

Delivered 10 lectures (one hour each) as a resource person on different aspects Research Methods to the candidates of Ph.D. course work-2016-17 for the Department of Physical Education, Vinaya Bhavana, Visva-Bharati during 16 - 22 December 2016.

Delivered 14 lectures (one hour each) as a resource person on different aspects Research Methods to the candidates of Ph.D. course work-2016-17 for the Department of Social Work, PSV, Visva-Bharati during 16 January - 10 April 2017.

Delivered 11 lectures (one hour each) as a resource person on different aspects Research Methods to the candidates of Ph.D. course work-2016-17 for the Department of Silpa Sadana, PSV, Visva-Bharati from 02 April - 13 May 2017.

Sabahat Nausheen

Delivered a lecture on Web resources and Library resources in Qualitative Research as a Resource Person for ICSSR Sponsored Research Methodology Programme on 14.4.16

Delivered a lecture on "Public Participation in promoting integrity and eradicating corruption" for Vigilance Awareness week at Silpa Sadan Conference Hall, Sriniketan on 5.11. 2016.

Member of ICC for PSHWW, VB from 25.11.16

Presented a paper titled "Persian and Urdu Manuscripts of Mughals: Reflection of Mughal's Libraries" at International Seminar Organized by Dept of Arabic, Persian, Urdu and Islamic Studies, VB on 31.3.17.

Sujit Kujur

Invited as resource person and presented a paper "Dr. B. R. Ambedkar: a man of vision" on two-day UGC sponsored National Seminar on "125 years' celebration on Dr. B.R. Ambedkar: impact of his ideas and thoughts on Indian politics" organized by a group of teachers of Humanities of Saldaha College, Bankura, W.B. in collaboration with the Department of Economics, Abhednanda Mahavidyalaya, Sainthia, Birbhum, W.B. held on 3-4 September 2016.

Co-editor of the journal entitled as "The Journal of Social Science and Humanity Research".

Koushik Ghosh

Participated in "Refresher Course" in Library & Information Science at UGC-HRDC, North Bengal University from November 02-22, 2016.

Presented an invited lecture as a resource person on "Public discussion cum training programme on Community Library", held at Elmhirst Institute, Santiniketan on 5th February 2017 organized by Pratichi (India) Trust.

Presented an invited lecture as a resource person on "Workshop on Rural Libraries and Voluntary Effort", held at Department of Lifelong Learning and Extension, Rural Extension Centre (REC), Sriniketan on 19th March 2017 organized by Department of Lifelong Learning and Extension, Rural Extension Centre (REC).

Academic / Administrative Distinctions:

Nominated as a member of Working Committee of Visva-Bharati Sports Board as per order of the Vice-Chancellor, Visv-Bharati (Memo no. VBSB/GF/15/ 16-17 dated 18.08.16).

Nominated as a Chairman, of the Library Committee of the Centre for Endangered Languages, Visva-Bharati by the Chairperson, CFEL, VB.

Nominated as Secretary, Bolpur Town Library, Bolpur, Birbhum by the District Library Officer, Birbhum (Memo No. 575 (5)/ DLO/BIR dated 23.09.2016).

Nominated as a member of District Book Selection Committee, Birbhum (Memo. No 35 (6)/ Book Selection/ DLO/ Bir/2016-17 dated 19.01.2017).

Smritimoy Ghosh

Attended and presented a paper "Use of Social Media in Academic Libraries: With Special reference to Central Library, VB" in three-day National Seminar on 'Efficient Library and Information Services in the digital era' and Re-union organized by Department of Library and Information Science, Burdwan University, during 24-26 March 2017

Jishnu Mondal

Presented a Paper "Use of Social Media in Academic Libraries: With Special reference to Central Library, VB" in three-day National Seminar on 'Efficient Library and Information Services in the digital era' and Re-union organized by Department of Library and Information Science, Burdwan University, during 24-26 March 2017

Biswajit Majumdar

Presented a paper "Use of Social Media in Academic Libraries: With Special reference to Central Library, VB" in three-day National Seminar on 'Efficient Library and Information Services in the digital era' and Re-union organized by Department of Library and Information Science, Burdwan University, during 24-26 March 2017

Sectional Library

Partha Pratim Ray

Delivered lecturer as resource person on Citation, Bibliography and Referencing Styles at ICSSR sponsored Research Methodology Course, Vinaya Bhavana, Visva-Bharati on, 18 April 2016.

Delivered lecture in orientation programme at PSB library on Visva-Bharati Library Rules, Regulation and Resources with Special Reference to E-Resources on 11 July 2016 Journal Section of PSB Library to B.Sc. (Ag) students.

Delivered six lectures in the Dept. of Library and Information Science, Univ. of Kalyani under Lecture Series for the session 2016-17.

Delivered two lectures as a resource person on different aspects of Research Methodology to the

students of Ph. D Course Work of the Department of Social Work, Visva-Bharati December, 2016. Delivered a lecture on "Tagore's Philosophy of Library and Library Resources" at Rural Extension Centre, PSV, Visva-Bharati on 19th March 2017.

Delivered five audio/visual lectures on "Research Methodology" at Netaji Subash Open University, Kalyani, on 22 & 29 March 2017.

Ajay Kumar Sharma

Delivered a speech on "Azadi 70- Yaad Karo Kurbani" at the Cheena Bhavana, Visva Bharati on 20 August 2016 on the occasion of the celebration of Azadi 70- Yaad Karo Kurbani.

Academic / Administrative Distinctions

Assistant Editor of the Visva-Bharati Library e-Newsletter (January 2017 & February 2016 Issues).

Associate Editor of the journal entitled as "International Journal of Information Sources and Services (IJSS)".

Member of the Editorial board of the journal entitled as "Sangeet Galaxy".

Editor of the journal entitled as "International Journal of Digital Library Services".

Webmaster of Visva Bharati Library Network. (<http://14.139.211.2/library/index.php> or <http://14.139.211.2/library/index.php>)

Webmaster of ABSLA (All Bengal School Librarian's Association). (<http://www.absla.org/>)

Webmaster of Cheena Bhavana, Visva-Bharati. (<http://visva-bharati.wix.com/cbvbs>)

He has successfully completed the Chinese Study at the College of International Students of Yunnan University, Kunming, China from June 02, 2016 to June 12, 2016.

Sanat Bhattacharya

Invited Lecture:

Invited as a Resource Person and delivered a lecture on the topic "Sources of Information" in the "Two days Library Orientation Programm" for Ph.D Course Work organised by Visva-Bharati Library Network during 28-29th January 2016, Central Library, Visva-Bharati.

Invited as a guest Lecturer at the Department of Library and Information Science, Netaji Subhas Open University, Kolkata to teach Cataloguing theory of BLIS 2016-17 students of Netaji Subhas Open University held at Gurudas College, Kolkata on 19/02/2017 & 26/02/2017.

Publications

Nimai Chand Saha

Book

Mondal, Bipul Chandra; Saha, Nimai Chand (2016). Study based on Information needs and Seeking Behaviour of the Users College of Medicine & J. N. M. Hospital, Kalyani, Nadia, WB. Germany: Lap Lambert Academic Publishing GmbH & Co. KG. [ISBN - 978-3-659-87356-0].

Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice; Volume-I, edited by Sukumar Pal, Nimai Chand Saha, et.al. New Delhi: New Delhi Publisher, 2017. ISBN - 978-93-85503-58-0. (As an editor).

Chapter in a Book

Saha, Nimai Chand (2017). Protection of the marginalized communities: Big gap in between Theory and Reality. In Relevance of Dr. B. R. Ambedkar for Inclusive Development in India: Inclusive Development, Women Empowerment and Social Justice; Volume-I, edited by Sukumar Pal, Nimai

Chand Saha, et.al. New Delhi: New Delhi Publisher, 2017; p. 34-45. ISBN - 978-93-85503-58-0.

Article in

Karmakar, Kali Prasanna; Saha, Nimai Chand (March 2017). School Library Services in the Open Access Era: A Brief Discussion [Bengali Version]. Granthagar. Vol. 66 (12); p.12 - 18. ISSN - 0017-324X.

e-Newsletter

Act as an Associate Editor of Monthly Library e-Newsletter during the year 2016-17.

Reviewed four articles against Manuscript sent by International Journal of Library and Information Science an Open Access Journal (Manuscript No: IJLIS-17.01.16-0663 on 11 February 2016; IJLIS-27.01.16-0669 on February 14, 2016; IJLIS-22.01.16-0666 on February 24, 2016; IJLIS-12.03.16-0684 on March 16, 2016. URL of the Journal: <http://www.academicjournals.com>.

Sujit Kujur

Compiled & Revised Visva-Bharati Library Network: LIBRARY USER MANUAL 2017

Kiushik Ghosh

1. Performed his duties as an Assistant Editor, in E-Newsletter, Visva-Bharati Library Network: 2016: Volume 3, Issue 11, November (Article title: Green Library concept: Application at Visva-Bharati Central Library). Volume4, Issue 03, March (Article title: Report on Workshop on Research Methodology).

Published Research Papers:

1. Ghosh, Koushik. Library O Rabinranath. Akalabya. Vol: XIX No. 1, October, 2016. pp. 2227-2230.
2. Ghosh, Koushik.. Library Movement in West Bengal. The Journal of Social Science and Humanity Research. Vol: IV No. 1 & 2, Jan-Dec, 2016. ISSN: 2321-8908 pp. 59-69

Sectional Library

Partha Pratim Ray

Matrimonial (Socio-Economic) Choice and Bradford's Law: A Study. With Prof. B.K.Sen. Library Publication of Rabinranath Tagore: Bibliometric Search. Granthagar.66, 8; November. 2016. 4-14 p. ISSN: 0017-324X.

Indoor Aeromicroflora at Institute of Agriculture Library (Visva-Bharati): A Study. SRELS Journal of Information Management. 54, 1; February 2017. p.29-33. ISSN: 0972-2467(Print), 0976-2477(Online).

Knowledge Dissemination and Development: Tagorean Perspective. Library Herald.55, 1; March 2017. p.44-52. ISSN :0024-2292

Knowledge Dissemination and Development: Tagorean Perspective. Library Herald.55, 1; March 2017. p.44-52. ISSN :0024-2292

Knowledge Dissemination and Development: Tagorean Perspective. Library Herald.55, 1; March 2017. p.44-52. ISSN :0024-2292

Kanika Debnath

Act as an Assistant Editor of Library e-Newsletter of Vol. 3, Issues - 4: April 2016; Sangit Bhavana Library: a journey from Gurudev era to the present. Visva-Bharati Library Network e-Newsletter, 3(4), 1-3

Ajay Kumar Sharma

Implementation of RFID technology in Library, by Sanjib Ghosh, Ajay Kumar Sharma and Nirmalendu Pal, In Three days National Seminar on "Efficient Library and Information Services in Digital Era",

held at DLIS, Burdwan University, Burdwan, during 24th March to 26th March 2017 [Abstract]. An Insight Views of the Cheena Bhavana Library, by Ajay Kumar Sharma, In "International Journal of Information Sources and Services", 3(4) July - August 2016. 74-79p. (ISSN 2349-428X)

Sanat Bhattacharya

Bhattacharya, Sanat (2017). "Prabhat Kumar Mukhopadhyay the Librarian and Litterateur: an analysis" in the Granthagar Journal during February 2017, Kolkata: Bengal Library Association.

Atanu Kumar Sinha

Information Communication for Sustainable Tribal Development: Influence of Family Climate and Socio-economic Status towards Information Attitude and Level of Adjustment among Santals in and around Santiniketan, Birbhum. Calcutta University Journal of Information Communication, XVI (June 2016): 5-16 (ISSN: 0973 5771).

Attitude towards Education and Level of Adjustment among Santals of Birbhum District, West Bengal: A Study of Influence of Family Climate and Socio-economic Status. Indian Journal Adult Education, 77(2): 59-68.

Visva-Bharati Library Network E-Newsletter: Ekta Parjalochana. Granthagar, 66(12): 4-11. (ISSN: 0017-324X).

Manasi Santra

Das, Adwaita Kr. & Santra, Manasi (2016). Community information support for the development of disabled children with special reference to the people of Sutahata Block, East Midnapore, a district of West Bengal. College Libraries, an English quarterly, 31(III-IV), 66-76

Das, Adwaita Kr. & Santra, Manasi (2017). Community based information support among the parents of disabled persons in Purba Medidinipur district, W.B. (India). International Research Journal of Multidisciplinary Science and Technology, 2(1), 34-39

CENTRE FOR WOMEN'S STUDIES

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.-

No	Name of the students	Sex	Name of the Qualified Examination	Subjects
1.	Kalyan Pramanick	M	UGCNET-JRF	Geography
2.	Krishna Pada Pal		M	UGCNE Bangla
3.	Nupur Saha	M	UGCNET	Geography
4.	Sreesoorya T.R.	F	UGCNET	Social Work

Departmental Seminar (speakers, Title of the Seminar, Date)

On August 23, 2016, a programme was held on the occasion of "Azadi 70-Yaad KaroKurbani (Freedom Fortnight)". That programme was followed by an Elocution Competition on "How Free are Indian Women in the 70th Year of Freedom" for the students of Visva-Bharati. Prof. Aruna Mukherjee, Director, Indira Gandhi Centre, Visva-Bharati and Prof. Manas Maity, Dept. of Physics, Visva-Bharati were on the panel of judges. In total of 20 students from different departments across the University participated in the competition.

On September 10, 2016, there was a Special Lecture on "RaktaKarabi Dui Nari" ("The two women of RaktaKarabi"). Professor Sutapa Bhattacharya, Former Professor of Bengali Department, Visva-Bharati was the speaker.

On 15-16 March 2017, Centre A two-day National Seminar on Economic Empowerment and Violence Against Women: Understanding "Backlash" The seminar was jointly convened by Dr. Tanusree Paul, Assistant Professor, Centre for Women's Studies, Visva-Bharati and Dr. Mausumi Bhattacharya, Associate professor, CJMC, Visva-Bharati. The country participated as invited speakers in this National Seminar. About fifty-five students participated in the Seminar

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teacher/Research scholars in details.

Deepita Chakravarty

Invited to present a paper titled 'Domesticity and the labour market choices of women in West Bengal'. In an international workshop titled 'Choice, Constraint and Gender Dynamics of Labour Markets in West Bengal' jointly organised by Centre for Development Economics, Delhi School of Economics and Gender Institute, London School of Economics On November 7, 2016, Centre for Studies in Social Sciences, Kolkata.

Invited to present a paper titled 'Agency of women, migration and domestic work' in an international workshop on "Policy Options for Domestic Work in the Context of India's Care Economy" on 4th April 2016. India Habitat Centre, Delhi, Organised by Institute of Human Development and International Labour Organisation.

Tanusree Paul

36th INCA International Congress on "Cartography for Analysis and Management of Climate Change" organised by Department of Geography, Visva-Bharati from 9th-11th November, 2016. Presented paper titled "Mapping the Gendered Cities with Special Reference to Kolkata" Participated and chaired a session titled "Feminist Literary Criticism & Comparative Literature" in XIII CLAI Biennial International Conference on "Comparative Literature: At the Crossroads of Culture and Society" organized by Centre for Comparative Literature, BhashaBhavana, Visva-Bharati collaboration with Comparative Literature Association of India (CLAI) from March 06-08, 2017.

On-going Research Projects in the Department- Nil**Extension activities /NSS/Cultural and other activities organized by the Department and Participated by the Teachers and Students of the Department.**

One day extension Programme on "MeyederSamajikAbastha" (The social status of women) was organized by Centre for Women's Studies, Visva-Bharati jointly with the School of Women's Studies, Jadavpur University at Dwaranda Village on 19 July, 2016. Women from Dwaranda, Halsidanga, Islampur and few other villages near Dwaranda participated in this meeting.

DeepitaChakravarty

Consultancy in a research project

Worked as a consultant in a research project titled 'Love, Law and Labour' of School of Women's Studies, Jadavpur University, Kolkata- from June 2016 to December 2016. Designed the whole survey, helped in preparing questionnaires, Report submitted in December 2016

Tanusree Paul (March 2016-November 2017)

Participated in 63rd UGC sponsored Orientation Programme organised by University Grant Commission (UGC), Human Resource Development Centre (HRDC) and Jadavpur University, Kolkata from November 15 to December 12, 2016.

Invited to develop Post Graduate modules on "Gender and Media" for the MHRD project e-PG Pathshala under its National Mission on Education through ICT (NME-ICT)

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)- None

Publications of core faculty within the year April 2016-March 2017

Tanusree Paul

A chapter titled 'Women and Geography' as part of the E-Pathshala, An MHRD Project under its National Mission on Education through ICT (NME-ICT)

"New Urban Economic Spaces and the Gendered world of work in Kolkata". In Women Workers in Urban India. Saraswati Raju and Santosh Jatrana (Eds.), pp. 256-290, Delhi: Cambridge University Press

A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

The UGC during the XIth Plan took a major initiative to create departments of Women's Studies in educational institutions all-over India to generate awareness and facilitate empowerment of women

through education, research and targeted interventions. The Centre for Women's Studies, a product of this initiative, at Visva-Bharati was established in July 2009.

The Centre for Women's Studies at Visva-Bharati focuses on interdisciplinary research on gender and development. The centre also tries to organise extension works on women and gender questions which has a strong link with the research taken up in the department.

The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The research and teaching at the Centre combine theory and practice with an interdisciplinary and transnational scope. The Centre aims at contributing to theoretical, methodological and pedagogical debates within the study of power dynamics embedded in gender relations in the context of development. In particular, the objectives of the Centre can be broadly classified under two major themes: academic and applied. The Centre offers a regular integrated MPhil/PhD programme on Gender and Development. The M.Phil course is structured in a way that will not only enable a student to do good research for her/his PhD but also make them equipped to take up jobs in the development sector. In future the Centre has plans to start campus interviews.

The Centre organises public lectures, research seminars and workshops. These often engage the community, not only the students and the faculty, but also the people around from different walks of life in a conversation to sensitize the questions of gender inequality including violence against women. Since its inception, the Centre is also involved in different kinds of extension programmes in the rural and also in the urban areas for women in collaboration with other organizations.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

A.K. DASGUPTA CENTRE FOR PLANNING AND DEVELOPMENT

A.K.Dasgupta Centre for Planning and Development, 'Nirala' 33 Purbapalli, Santiniketan.
[A Centre sponsored by the NITI AAYOG], Visva-Bharati

Departmental Seminar/Workshop

International seminar "Growth & Diversification in India's Emerging Economy" held on 7-8th January, 2017

National Level Research Methodology workshop in Social sciences held from 7th December to 13th December, 2016

On going research projects

1. One year Project completed with ICSSR, New Delhi on "Developmental Interventions, Rural Transformation and Environmental Sustainability: A Study on Sundarban in India".
2. Completed sample Survey on old age, widow and disability pension in Birbhum and Burdwan. The survey schedule was submitted to the office. The programme was supported by the Bureau of Applied Economics & Statistics, Government of West Bengal.
3. Project sanctioned by NABARD on Doubling of Farmers Income by 2022: Issues and Challenges in West Bengal
4. ORGANIC FARMING IN SIKKIM: A STUDY INTO THE SOCIO-ECONOMIC IMPACT OF AN UNCONVENTIONAL AGRICULTURAL TECHNIQUE
5. PITFALLS ON THE PATH TO UNIVERSAL EDUCATION: A STUDY ON DISCONTINUATION OF SCHOOL EDUCATION IN SIKKIM

Publication

1. Working paper, Volume-IV- Strategies for Inclusive & Sustainable Development
2. Development and Perspectives: Towards New Challenges, Working Paper V.
3. Working paper VI and VII is in the process of publication.
4. Development and Diversification: Aspects of Rural Development' edited By Pranab Kumar Chattopadhyay and Daya Shankar Kushwaha, published by Renu publication, New Delhi.
5. "State of Health, Education and Women: Glimpses of Rural India" edited book and published by Renu Publishers, New Delhi.
6. One edited book "Growth & Diversification in India's Emerging Economy" New Delhi Press, New Delhi.

A brief History of the Centre

In 1995 erstwhile Planning Commission took up a scheme to set up a Unit and a Chair, each in some selected Universities, to promote teaching and research in Planning and Development. Visva-Bharati was one of these Universities which obtained the endowment. The first paragraph of the first very correspondence made by the erstwhile Planning Commission on this subject states, "Planning Commission has been interested in promoting studies and research on Planning and Development and raising an informed debate on the related issues."

The major areas on which the Unit has been concentrating its research activities are Rural Development, Agriculture, Rural Health, Child Development and impact assessment of programmes of the government of India.

Now the Unit is renamed in the name of Professor A.K.Dasgupta. The erstwhile Planning Commission renamed the Chair and Unit in 2012 as "Professor A.K.Dasgupta Chair in Planning and Development" and the Unit as 'A.K.Dasgupta Centre for Planning and Development. Presently the Centre is housed in the residence of Late of A.K.Dasgupta at 33, Purbapalli, Santiniketan. The Centre is sponsored by the NITI AAYOG, Govt. of India and under the Chairmanship of the Vice-Chancellor, Visva-Bharati.

CENTRE FOR ENDANGERED LANGUAGES (CFEL)

Traditionally India is viewed as a pluralistic society that is supportive of all languages-big or small. Our constitution too is committed to the language rights of all, including the right to mother tongue education. However, the education system has encouraged the growth of dominant languages more, and in practice most of the smaller languages are not included. This has resulted in marginalization of diverse linguistic communities and enhanced threat perceptions to their languages. To safeguard these languages we also need to formulate clear cut plans for the empowerment of these languages and their speakers. This would involve linking languages with literacy and education, with technology and with economic opportunities.

'Structure' of Endangered Languages has developed as a theme of serious research in informed linguistic circles for about two decades now. This is of course of purely linguistic and typological interest. But it is the 'Function' of endangered languages, and their 'Consequences' that have drawn public attention thanks to a media coverage the UNESCO Atlas has received under which India was found to be on the top of countries with 197 endangered languages.

The issue has already reached to the Indian Parliament where the consequences and remedies were thoroughly discussed by the members. Therefore, the academic bodies and institutions are now asking if many of our smaller languages, several of which belong to tribal and marginalized communities, are indeed seriously threatened, and what steps are to be taken in order to safeguard our most precious linguistic heritage, and document the same. Here lies the genesis of the attempt of the University Grants Commission (UGC) to set up Centers for Endangered Languages (CFEL) in both Central and State Universities.

Objectives of the Centre:

To undertake inter departmental and inter disciplinary research related to endangered languages.

To undertake fieldwork, research, analysis, archiving and documentation of smaller indigenous/endangered languages using state-of-the art speech and language technologies, informants those are universally acceptable viz. digital textual, audio and video formats.

To produce and publish monographs, grammars, grammatical sketches, dictionaries and lexicon, ethno-linguistic and theoretical descriptions, collection of oral and folk literature and scholarly book on endangered languages.

To produce language and dialect atlases with special reference to minority and endangered languages.

To organize workshops and seminars aimed towards promoting advanced research related to endangered languages.

To train teachers and students from other departments/centres in Field Linguistics, Lexicography and in techniques for data management and documentation. Field Linguistics should constitute an indispensable part of the centre.

The Centre should serve the indigenous and endangered language communities by making accessible the products of the research of the Centre i.e. digital and analogue archives of linguistic data, language teaching material, and language artifacts.

To promote and foster various domains of endangered languages so as to ensure minority/endangered

language communities in maintaining and preserving language vitality, including the development of orthographical resources like scripts, book of letters primers.

To digitize data collected in the course of the research in the Centre and make it available to public by open access.

Any National and International standard Conference / Seminar / Workshop /Exhibition etc. attended by Teacher/Research scholars in details. [Maximum 2 per Teacher]

Udaya Narayana Singh (Chairperson CFEL during April 2016-October 2016)

Foundation Day Lecture on "Discovering the many life of Rabindranath Tagore", Central University of Odisha, Koraput; August 29, 2016.

Special Lecture "Sanity and Insanity: The Concerns of Tagore and Lu Xun," CCSEAS International Conference on Lu Xun and Tagore, JNU & University of Delhi; Oct 2016.

R. Shivkumar (Chairperson CFEL during October 2016-March 2017)

'Venkatappa: The Calcutta Interlude', Mysore Modernity: Artistic Nationalism and the Art of Venkatappa, International Conference organised by the NGMA, Bengaluru and Somberikatte, at NGMA Bengaluru, 25th -27th Nov, 2016.

Locating Bengali Aesthetical Ethos in the Development of Modern Indian Art Practice', Birla Academy of Art and Culture, Kolkata, 13th Jan, 2017.

Rameshwar Prasad Mishra (Chairperson CFEL)

Delivered a lecture on 'Bharatiya Sahitya mein Rabindranath' in an orientation programme organised by Visva-Bharati on 'Rabindranath and his myriad creativity' at Natyaghar on 26th March, 2017.

Arimardan Kumar Tripathi

Delivered lecture on "Rajbhasha Hindi ki dasa evm disha" in national seminar on "rajbhasha hindi: dasa evm disha" during 14-15th September, 2016 at Visva-Bharati, Santiniketan.

Presented paper on "Teaching through Mother tongue and role of Machine Translation: Indian Perspective" in national seminar on "Use of ICT in Teaching-Learning of Languages in School Education-The Indian Scenario" during 16-17th March, 2017 at NCERT, Delhi.

Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department.

As a part of its mandate Centre's major academic activities are given bellow:

Centre conducted village level pilot survey in the districts of Birbhum and Barddhaman (West Bengal).

Prepared word lists from various regular domains in Kora/Koda and Kurukh (Oraon) to develop English-Hindi-Kora/Koda and English-Hindi-Kurukh (Oraon) vice-versa dictionaries.

Prepared a short cultural report on the basis of pilot survey focused on the tribal communities such as Koda/Kora, Kurukh/Oraon, Mahali and Turi.

Conducted language awareness interactions with language groups in the various regions in the districts of Birbhum and Barddhaman (West Bengal).

Paper presentation on "Languages and Cultures on the Margin: Towards An Action Manual" by Udaya Narayana Singh with assistance of Rajib Chakraborty, Bidisha Bhattacharjee & Arimardan Kumar Tripathi in a national seminar on "Multilingualism as Resource: the need for preservation of

linguistic diversities, cultivation and enrichment of sociolinguistic resources in India" during 12-13th January, 2017 at The Asiatic Society, Kolkata.

Academic distinctions gained by Teacher/ Scholars or the Department as a whole (Like Recognition as D.S.A. or C.A.S. etc.)

Prof. Udaya Narayana Singh (Chairperson CFEL during April 2016-October 2016)

Delivered Extra-mural lecture at Amity University, Gurgaon on; 20th October, 2016.

Awarded Sir Ganganath Jha Samman, 2016 by Akhil Bharatiya Mithila Sangh, Delhi at for Lifetime Contribution to Maithili.

Invited as an Expert to the Consultative Meeting on the proposed School of Letters (SOL) at Ambedkar University Delhi, Faculty Lounge, 29th July, 2016.

Visited Dhaka - International Mother-Language Institute (IMLI) as its Executive Board Member on 20-24 April 2016 before IMLI is elevated to a UNESCO Class II Institution.

Appointed Editorial Board member of the Journal of Multicultural Discourses, published by the Taylor & Francis. (<http://www.tandfonline.com/toc/rmmd20/current>)

Editorial Board member of the Journal of Intercultural Communication, Sweden (<http://www.immi.se/intercultural>).

Appointed Editorial Board member of the journal - The Mother Language, published by the IMLI, Dhaka.

Continued to act as Chair-person, PRSG of the Major Project on Shallow Parsing Tools, MC&IT, Govt. of India.

Publications within the year April 2016 - March 2017.

(A) Prof. Udaya Narayana Singh (Chairperson CFEL during April 2016-October 2016)

Books:

Vachana: Translation of 2500 Medieval Kannada Vachana poems into Maithili. Bangalore: Basava Samithi & Govt of Karnataka. [Maithili]

Jahalak Diary. [A book of poems in Maithili]. Santiniketan/New Delhi: E-Lekhan.

Essays/Articles:

Originally delivered as an ICCR lecture, Moscow, Russian State University, Moscow in 2011; Published in Reba Som ed. Tagore Vision of the Contemporary World: Tagore and Russia.' New Delhi; ICCR.

'Manifesto of the Unwritten World: The Curse of Dialects.' In Anvita Abbi, ed. Unwritten Languages of India. New Delhi: Sahitya Akademi. 106-116.

Published the entries in the Hindi Sahitya Gyan Kosh Project of Bharatiya Bhasha Parishad, Kolkata.

R. Shivkumar (Chairperson CFEL during October 2016-March 2017)

'Peter Briggs: An Artist Who Belongs Differently to Our Times', in Peter Briggs, Texts by, Sarah Zürcher, Christian Bonnefoi, R. Siva Kumar, Erin Manning, Arnaud Maillet, Tristan Trémeau, and Isabelle Tessier, Naima, Paris, Dec. 2016.

'Ek Sthayi Uttaradhikar', Shiladitya, Feb. 2017, pp. 17-24.

Bidisha Bhattacharjee

Paper entitled "Bangla Negative Polarity Items: A Detailed Study" co-authored by Bidisha

Bhattacharjee, published in Indian Linguistics, Vol. - 77, LSI, Pune.

Arimardan Kumar Tripathi

Book:

Co-edited "Ways with Language" Lakshi Publishers & Distributers, Delhi. ISBN: 978-93-82120-99-5.

Book Chapter:

Co-authored "bhAShA, samay evm samvAd kA sach (Language, Time and Truth of Dialogue) in bhAShA, samay evm samvAd (ed.), Today and Tomorrow, Publication, New Delhi. ISBN: 81-7019-568-4.

Co-authored "bhArat kA bhAShAi bhU-paridrushy: sAmyik evm sApekshik sach" (Linguistic Landscape of India: Occasional and Relative Truth) in bhAShA, samay evm samvAd (eds.), Today and Tomorrow, Publication, New Delhi. ISBN: 81-7019-568-4.

Co-authored 'Hindi Lexicography: A Joint Venture of Man and Machine' in Translation: Try Thy Metaphor (eds.), Lakshi Publishers & Distributers, Delhi. ISBN: 978-93-82120-94

Published entries in the Hindi Sahitya Gyan Kosh Project of Bharatiya Bhasha Parishad, Kolkata.

Newspaper Article focused on linguistic awareness:

A brief history on the development of the Centre concerned with an indication of the future plans for development.

History

Centre for Endangered Languages (CFEL) is an independent research Centre established by Visva-Bharati (vide REG/O-R/89(vi), dated 26.5.2014) through an office order dated based on the UGC Sanction (F. No. 15-6/2012/CU dated 3rd April 2014) of a major national initiative (worth over Rs. 37 Crores) in nine central universities with Visva-Bharati's CFEL as the nodal Centre. Prof. Udaya Narayana Singh of Rabindra Bhavana, Visva-Bharati was appointed by the University as the Chairman of CFEL with the responsibility of implementing the UGC's mandate, and to report to the Upacharya, vide another office order on 26.5.2014.

Future Plan

In the initial phases this Centre shall and may draw resources (such as manpower, labs, books, students etc.) from other centers of languages, linguistics, folklore, anthropology, and literature in the university but eventually should conceive of forming an independent centers purely devoted to the issues of endangered and indigenous languages. After having full-fledged status the Centre shall launch research courses such as M.Phil. and Ph.D. focused on endangered languages of the country and its applied aspects to enrich the linguistic scenario and later on Centre may start full academic programs with an interdisciplinary approach.

CENTRE FOR COMPARATIVE LITERATURE

Nilanjana Bhattacharya

Seminar/ Conference/ Workshop:

September 26-27, 2016: Invited to present a paper on 'Contemporary Women's Writings in Bengali Fiction' at a seminar on Contemporary Women's Writings in Eastern Regional Languages organised by Sahitya Akademi in collaboration with Bhatler College, Dantan, West Bengal.

March 27-28, 2017: Attended a Translation Workshop organised by Dept. of English and Other Modern European Languages, at Visva-Bharati and jointly translated an essay by Rabindranath, 'Batayoniker Patro'.

Publications:

'Exploring a South-South Dialogue: Spanish American Reception of Rabindranath Tagore' in *Revista de Lenguas Modernas*, Number 25, July-December 2016 (ISSN: 1659-1933). pp.81-99.

Miscellaneous:

June 28, 2016: Invited to deliver a lecture on 'Rabindranath and Latin American Literature' under Rabindra Prabaha Programme organized by Rabindra Bhavana, Visva-Bharati.

Received Data Collection Grant from Indian Council of Social Science Research (ICSSR) for travelling to Argentina in relation to research on Reception of Rabindranath in Latin America.

Soma Mukherjee

Seminar/ Conference/ Workshop:

July 21- 27, 2016: presented a paper on "Multilingual Reality of Bangla Short Story: An Analysis" during the 21st World Congress of the International Comparative Literature Association (ICLA 2016) at University of Vienna.

July 21- 27, 2016: presented a paper on "Gender" and "Nation" in the Writings of Ismat Chughtai and Sadat Hasan Manto" during the 21st World Congress of the International Comparative Literature Association (ICLA 2016) at University of Vienna.

August 24-26, 2016: Presented a paper on "Shakuntala Story: Modern Retellings and a Literary Journey" during the National Conference on "Epic in India: Exploring Variations, Transformations and Mutations" organized by the Centre for Comparative Literature, University of Hyderabad.

December 3-4, 2016: Presented a paper on "Relevance of Comparative Literature in India" during the National level Conference on "Literary Theory and Criticism in Indian Languages" organized by Marathi and Tamil Language units, Bhasha Bhavana, Visva-Bharati.

February 22- 24, 2017: Presented a paper on "Politics of Representation in Partition Literature: A Comparative Study" during the International Conference on "Borders and Borders Crossings: Politics and Poetics of Migration" organized by GSI and Savitribai Phule University, Pune.

Annual Report: Dheeman Bhattacharyya

Seminars/ Conferences/ Workshops

January 20-21, 2017: Presented a lecture demonstration on Budhan Theatre at the school of Arts and Aesthetics, JNU, Delhi.

September 16, 2016: Presented a Paper on Mahasweta Devi at the Literary Forum on Mahasweta

Devi organised by Sahitya Akademi, Kolkata.

September 10 and 11, 2016: Presented a Paper on the Paintings of Group of Seven and Indigenous Arts in Canada at the Seminar on "Critical Interdisciplinarity: Towards a Theory Practice Perspective in the Visual Field" organised by Department of History of Art, Kala Bhavana, Visva - Bharati in association with Lalit Kala Akademi, Kolkata.

September 2 and 3, 2016: Guest Speaker on the issues of Denotified Tribes in India organised by NAGDNT at Delhi University, Delhi.

Courses and Awards

Successfully completed the UGC (HRDC) 63rd Orientation Programme from 15/11/2016 to 12/12/2016 at Jadavpur University, Kolkata

Awarded Ph.D in the Faculty of Arts, Jadavpur University on 21st February, 2017-06-22

Publication

"Which Canada, Whose Canada: Situating Canadian Studies as Area Studies within the Indian Academic Discourse" in Chattopadhyay, Suchorita & Debashree Dattaray eds. At the Crossroads of Culture and Literature. Delhi: Primus Books. 2016. (35-55) Print.

Centre for Comparative Literature

23 April, 2016: Centre for Comparative Literature (CCL) in collaboration with Sahitya Akademi organized a symposium on "Emotion, Experience, Expressions: Ethics and Aesthetics".

27th - 28th June, 2016: Sri Aveek Majumdar Assistant Professor, Dept of Comparative Literature, Jadavpur University visited the Centre and delivered two special lectures on "Indian Literature" and "Bangla Chanda".

11th July, 2016: Professor Subha Chakraborty Dasgupta (Delhi University) visited the Centre, where she delivered a special lecture on "Journeys with Comparative Literature" She also met the students and research scholars of the Centre.

September 29, 2016: Second session of the Carca lecture series where Dr Sangita Saikia spoke on Contemporary Assamese Poetry.

November 28, 2016: Third session of the Carca lecture series with Dr Ranvir Sumedh speaking on 'Poems of Namdeo Dhasal'.

December 6, 2016: Fourth session of the Carca lecture series. Professor Ganapathy Subbiah spoke on "Early Tamil Literary Tradition: Central Ideas".

December 19, 2016: Special lecture by Professor Michaela Albl-Mikasa (Zurich University, Switzerland). "Multilingualism, Translation and Interpreting: English as a Lingua Franca in Europe".

January 30, 2016: Fifth session of the Carca lecture series. Professor Jagat Ram Bhattacharyya, spoke on "Towards the Understanding of Prakrit Language and its Literature".

February 27th, 2017: Sixth session of the Carca lecture series. Dr. Dhaneshwar Manjhi, Department of Santali, Visva-Bharati spoke on Santali Literature.

6th -8th March, 2017: CCL organised an International Conference on 'Comparative Literature: At the Crossroads of Culture and Society' in collaboration with Comparative Literature Association of India, UGC, Sahitya Akademi, Rabindra Bhavana, Visva- Bharati.

March 24th, 2017: Seventh session of the Carca lecture series. Prof. Giribala Mohanty delivered a lecture on Migration of Oriya Tales

Chap-III

Academic Programme for the year 2016-2017

BHASHA-BHAVANA (INSTITUTE OF LANGUAGES, LITERATURE AND CULTURE)

1. Two years M.A. Courses in Sanskrit; Bengali; English; Hindi; Odiya; Santali; Comparative Literature; Indo-Tibetan Studies; Chinese; Persian; Japanese & European Studies.
2. Two years M.Phil. course in Bengali, Sanskrit, Hindi, Odia, English, Comparative Literature, and Cultural Studies.
3. Three year B.A. (Honours) Courses in Sanskrit; Santali; Bengali; English; European Studies; Hindi; Persian; Indo-Tibetan; Japanese;.
4. Four years B.A. (Honours) Courses in Persian; Indo-Tibetan; Chinese; Japanese preceded by one year preparatory course.

VIDYA-BHAVANA (INSTITUTE OF HUMANITIES & SOCIAL SCIENCES)

1. Two years M. A. Courses in Philosophy; Comparative Religion; Economics; History; Ancient Indian History, Culture & Archaeology; Geography; Mathematics; Journalism & Mass Communication; and Anthropology.
2. Two years M.Phil. course in Ancient Indian History Culture & Archaeology, Economics, History, and Centre for Women Studies.
3. Three years B.A. (Honours) Courses in Philosophy; Comparative Religion; Economics; History; Ancient Indian History, Culture & Archaeology; Geography; Mathematics.

SIKSHA-BHAVANA (INSTITUTE OF SCIENCE)

1. Two years M. Sc. Courses in Physics; Chemistry; Mathematics; Zoology; Botany; Statistics; Environmental Science; Computer Science and Biotechnology.
2. Three years B. Sc.(Honours) Courses in Physics; Chemistry; Mathematics; Zoology; Botany; Statistics; Computer Science.
3. Five-Year Integrated M.Sc. Course in Science

SANGIT-BHAVANA (INSTITUTE OF MUSIC, DANCE & DRAMA)

1. Two years M.Mus. Courses in Rabindra Sangit; Hindusthani Classical Music (Vocal); Hindusthani Classical Music: Instrumental (Sitar/ Esraj /Tabla / Pakhawaj); Rabindra-Nritya, Kathakali and Manipuri Dance.
2. Three years B.Mus. (Honours) Courses in Rabindra Sangit; Hindusthani Classical Music (Vocal); Hindusthani Classical Music: Instrumental (Sitar/Esraj/Tabla/Pakhawaj); Rabindra-Nritya; Kathakali Dance; Manipuri Dance; Drama and Theatre Arts.

KALA-BHAVANA (INSTITUTE OF FINE ARTS)

1. Two years Master of Fine Arts (MFA)/ Advanced Diploma Courses in Painting; Painting (Mural); Sculpture; Graphic Art; Design (Textile); Design (Ceramic & Glass); History of Art.
2. Four years Bachelor of Fine Arts (Honours) (B.F.A)/ Diploma Courses in Painting, Painting (Mural); Sculpture; Graphic Art (Print Making); Design (Textile); Design (Ceramic & glass); History of Art.

3. Two years Certificate Course in Design (Textile).
4. Bridge Course (leading to M.F.A.) in History of Art Course (three year [one year Bridge course + two years regular course]) for students from other than Fine Arts discipline.
5. One Year Casual Course for Indian /Foreign Nationals in Painting / Sculpture / Graphic Art (Print Making) / Design (Textile / Ceramic & Glass) / History of Art.

PALLI-SAMGATHANA VIBHAGA (INSTITUTE OF RURAL RECONSTRUCTION)

1. Two years Master of Rural Studies
2. Two years M.A. in Rural Management
3. Two years M.S.W. Course
4. Three years B.S.W. (Honours) Course
5. Four years B. Des. Course (Bachelor of Design)
6. Two-years Certificate Course in (i) Hand-made Paper Making (ii) Artistic Leather Craft (iii) Batik Work (iv) Handloom Weaving (v) Pottery (vi) Wood Work
7. Short term casual courses in Craft
 - i) Batik & Bandhni, (ii) Pottery & Ceramic (Table Ware/Art Pottery/Glazing), (iii) Textile (Weaving/Dyeing /Printing), (iv) Leather Crafts, (v) Woodwork (Toys/Furniture/Wood craft), (vi) Hand-made Paper Crafts.

Duration of each course: 4 months' for short term and 9 months' integrated course.

PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)

1. Two years M. Sc. (Ag.) Courses in Agronomy; Horticulture; Soil Science & Agricultural Chemistry; Plant Protection; Agricultural Extension; and Genetics & Plant Breeding.
2. Four years B.Sc. (Ag.) Honours Course.

VINAYA-BHAVANA (INSTITUTE OF EDUCATION)

1. Two years M.A. in Education Course.
2. Three years B.A. / B. Sc. (Honours) in Physical Education Course
3. Two years B.Ed./B. P. Ed. Course
4. Two years M. P. Ed Course

Chapter-4

BHASHA-BHAVANA

(Institute of Language Literature & Culture)
Adhyaksha (Principal) **Prof. Kailash Ch. Pattanaik**
Roll Strength as on 31.03.2017

B.A. (Hons)

Course	General		SC		ST		PH		OBC		Minority		Resident Students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	75	96	22	21	10	09	01	03	30	29	20	17	-	-
2nd Yr.	56	80	16	15	09	06	03	-	24	26	15	09	-	-
3rd Yr.	54	88	22	18	10	07	02	01	36	26	17	13	-	-
Total	185	264	60	54	29	22	06	04	90	81	52	39	-	-

M.A

1st Yr.	44	77	23	10	06	08	-	-	28	17	10	07	-	-
2nd Yr.	48	70	18	16	09	06	-	-	30	26	04	01	-	-
Total	92	147	41	26	15	14	-	-	58	43	14	08	-	-

M.Phil/Ph.D

M.Phil	18	24	03	06	-	01	-	-	05	09	01	-	-	-
Ph.D	18	16	01	04	02	02	-	-	03	06	01	-	-	-

New Admission

B.A.(Hons)/M.A/M.Phil/Ph.D

	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.A. (Hons)	75	96	22	21	10	09	01	03	30	29	20	17
M.A.	44	77	23	10	06	08	-	-	28	17	10	07
M.Phil	18	14	03	06	-	01	-	-	05	09	01	-
Ph.D.	18	16	01	04	02	02	-	-	03	06	01	-
Dip.	05	03	04	02	01	01	-	-	-	-	-	-

Distribution of Foreign Students

Country	M	F	T
Bangladesh	05	03	08
Poland	01	-	01
Mayanmar	03	-	03
South-Korea	-	01	01
New-Zealand	01	-	01

Subject-wise distribution of students in Course (Diploma & Certificate)

Country	Certificate			Diploma		
	M	F	T	M	F	T
German	20	03	16	03	-	03
French	06	09	15	-	02	02
Hindi	08	02	10	02	02	04
Russian	07	01	08	03	-	03
Italian	07	04	11	-	1	1
Santali	02	01	03	-	-	-
Assamese	02	01	03	1	-	1
Marathi	02	-	02	01	-	01
Persian	01	02	03	-	-	-
Urdu	01	-	01	-	-	-
Indo-Tibetan	01	-	01	-	-	-
Sanskrit	01	-	01	-	-	-
Pali	03	-	03	-	-	-
Prakrit	01	01	02	-	-	-
Arabic	02	01	03	-	01	01
Bengali	-	02	02	-	-	-

Subject-wise break-up of students in different courses

Course (2016-17)

	B.A. Hons			M.A.			Ph.D.		
	M	F	T	M	F	T	M	F	T
Bengali	13	28	41	18	27	45	05	06	11
English	17	24	41	16	26	42	01	01	02
European Studies	12	15	27	01	01	02	-	-	-
Chinese	21	19	40	06	03	09	02	01	03
Sanskrit	12	28	40	17	25	42	07	08	15
Hindi	09	19	28	02	09	11	-	05	05
Japanese	28	10	38	19	12	31	02	04	06
Persian	07	04	11	01	-	01	01	02	03
Indo-Tibetan	10	07	17	02	01	03	-	02	02
Santali	09	04	13	19	06	25	03	-	03

VIDYA-BHAVANA

(Institute of Social Sciences)

Adhyaksha (Principal) **Prof. V.C. Jha**

Roll Strength as on 31.03.2017

B.A. (Hons)

Course	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	30	61	35	20	09	09	04	01	16	39	18	10
2nd Yr.	34	55	28	21	08	08	02	-	39	33	15	17
3rd Yr.	32	52	26	20	09	09	03	01	20	16	16	10
Total	96	168	89	61	26	26	09	02	75	88	49	37

M.Phil/Ph.D

	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
M.Phil	04	05	01	-	-	02	-	-	01	02	-	-
Ph.D	08	09	05	-	02	-	-	-	04	-	-	-

**New Admission
B.A. (Hons)**

	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Admitted	30	61	35	20	09	09	04	01	16	39	18	10

MA

	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Admitted	53	75	27	21	08	06	01	-	17	21	13	07

M.Phil/Ph.D

	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
M.Phil	04	05	01	-	-	02	-	-	01	02	-	-
Ph.D	08	09	05	-	02	-	-	-	04	-	-	-

State-wise break-up of students

STATE	M	F	T
Assam	-	02	02
Jharkhand	01	01	02
Chhatisgarh	-	01	01
Kerala	01	-	01
Tripura	01	-	01
Meghalaya	01	-	01
West Bengal	226	266	492

Distribution of Foreign Students

Country	M	F	T
Bangladesh	03	03	06

Subject-wise break-up of students in different courses

Subject	Course								
	B.A. Hons			M.A.			Ph.D		
	M	F	T	M	F	T	M	F	T
History	15	26	41	29	20	49	04	03	07
Economics	17	23	40	13	17	30	05	-	05
AIHC&A	20	22	42	13	15	28	03	01	04
Mathematics	05	04	09	01	00	01	-	-	-
Geography	16	31	47	27	24	51	-	-	-
Philosophy	16	24	40	15	23	38	02	04	06
Comparative Religion	23	11	34	06	06	06	03	03	06
CJMC	-	-	-	16	26	42	-	-	-
Anthropology	-	-	-	01	08	09	-	-	-

SIKSHA-BHAVANA

(Institute of Science)

Adhyaksha (Principal) **Prof. Dulal Pal**

Roll Strength as on 31.03.2017

B.Sc. (Hons)

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	54	35	21	14	09	08	-	-	33	18	07	05
2nd Yr.	67	44	26	08	09	06	01	-	39	10	01	01
3rd Yr.	57	31	22	15	09	04	02	-	32	17	02	02
Total	171	110	69	37	27	18	03	-	105	45	10	08

M.Sc.

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Total	185	106	63	29	24	15	-	-	104	56	17	13

M.Phil/ Ph.D

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	73	61	17	05	04	01	01	-	20	07	06	03

New Admission

(Under Graduate)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
52	39	19	16	08	08	-	-	36	17	07	05

(Post Graduate)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
76	60	29	19	10	05	-	01	52	34	07	09

(Ph.D)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
24	19	05	06	-	-	-	-	-	01	01	01

Subject-wise break-up of students in different courses

Subject	BSc. Hons			M.Sc.			Ph.D.		
	M	F	T	M	F	T	M	F	T
Physics	72	38	110	73	24	97	-	-	-
Botany	41	61	102	34	38	72	-	-	-
Zoology	37	53	90	44	36	80	18	23	41
Biotechnology	-	-	-	09	07	16	08	12	20
Statistics	38	10	48	12	06	18	01	04	05
Computer Sc.	80	24	104	60	29	89	12	02	14
Env. Studies	-	-	-	09	26	35	12	09	21
Integrated Science	-	-	-	41	15	56	14	06	20

Distribution of Foreign Students

Country	M	F	T
Bangladesh	1	3	4

**State-wise break-up of students
(From Outside West Bengal)**

STATE	M	F	T
W.Bengal	614	396	1010
Jharkhand	06	06	12
Uttar Pradesh	06	04	10
Haryana	01	-	01
Sikkim	02	-	02
Odisha	13	03	16
Rajasthan	01	-	01
Kerala	02	03	05
Punjab	-	01	-
Tripura	01	-	01
Tamilnadu	03	-	03
Bihar	09	03	12
Karnataka	01	02	03
Madhyapradesh	01	-	01
Maharashtra	04	01	05
New Delhi	01	02	03

Kala-Bhavana
(Institute of Fine Arts and Crafts)
Adhyaksha (Principal) **Prof. Dilip Mitra**
Roll Strength as on 31.03.2017

B.F.A.

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	12	09	07	01	01	02	01	-	11	03
2nd Yr.	19	09	04	03	02	01	-	-	09	03
3rd Yr.	08	16	05	03	04	-	-	-	14	08
4th Yr.	16	15	07	01	03	01	-	-	10	04

M.F.A.

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	19	17	08	02	02	01	-	-	07	08
2nd Yr.	11	16	05	03	02	01	-	-	09	06
Total	30	33	13	05	04	02	-	-	16	14

Ph.D

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
	08	12	02	01	01	-	-	01	-	01

Distribution of Foreign students

COUNTRY	M	F	T
Bangladesh	04	09	13
Japan	-	01	01
South-Korea	02	03	05
Thailand	05	02	07
USA	-	01	01
Srilanka	-	01	01
Nepal	-	02	02
Romania	-	01	01

Course	Certificate		
	M	F	T
1st Yr.	-	14	14
2nd Yr.	02	02	04

Course	Diploma		
	M	F	T
1st. Yr.	01	01	02

Subject-wise break-up of students in different courses (Graduate)

Subject	M	F	T
Painting	39	21	60
Graphic Art	16	24	40
Sculpture	34	03	37
Art History	03	04	07
Design (Textile)	05	15	20
Design (Ceramic)	09	11	20

Subject-wise break-up of students in different courses (Post-Graduate)

Subject	M	F	T
Painting	20	16	36
Graphic Art	15	20	25
Sculpture	12	05	17
Art History	03	05	08
Design (Textile)	07	09	16
Design (Ceramic)	09	05	14

Sangit-Bhavana

(Institute of Music, Dance & Drama)

Adhyaksha (Principal) **Prof. Madhabi Ruj (Ghosh)**

Roll Strength as on 31.03.2017

B.Mus (Hons)

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st. Yr	17	81	01	17	01	03	-	01	02	20
2nd Yr.	14	72	04	17	-	04	-	-	01	06
3rd Yr.	15	52	04	18	-	02	-	-	04	08
Total	46	204	09	52	01	09	-	01	07	34

M.Mus

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	07	38	05	15	02	-	01	-	02	07
2nd Yr.	07	50	04	06	-	-	-	-	-	06
Total	14	88	09	21	02	-	01	-	02	13

Distribution of Foreign students

COUNTRY	M	F	T
Bangladesh	04	15	19
Sri Lanka	02	04	06
Greece	01	-	01
Norway	01	-	01
Mauritus	01	-	01
Maldives	01	-	01

State Wise break-up of students

STATE	M	F	T
West Bengal	157	450	607
Tripura	-	04	04
Assam	01	03	04
Bihar	03	-	03
Manipur	04	08	12
Sikkim	-	01	01
Maharashtra	-	01	01
Uttarakhand	-	01	01
Odisha	01	-	01
Kerala	02	03	05
Karnataka	03	-	03

2 Years Certificate Course

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st. Yr.	12	44	04	10	-	01	-	01	03	09
2nd Yr.	11	52	01	05	-	01	-	-	01	06

NEW ADMISSION

B.Mus

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
17	81	01	17	01	03	-	01	02	20

M.Mus

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
07	38	05	15	02	-	01	-	02	07

Certificate Course

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
12	44	04	10	-	01	-	01	03	09

M.Phil

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
02	01	-	01	-	-	-	-	02	01

Ph.D

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
05	02	02	01	-	-	-	01	03	03

Vinaya-Bhavana
(Institute of Education)
Adhyaksha (Principal) **Prof. Sabujkoli Sen**
Roll Strength as on 31.03.2017

B.Ed.

Course
B.Ed Sem-II

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
19	26	07	10	03	05	01	02	10	11

M.Ed.

Course
M.Ed Sem-II

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
09	15	04	04	02	02	02	-	11	02

M.A (Edn.)

Course
M.A Sem-II

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
12	06	02	04	06	-	-	-	08	03

Ph.D.

General		SC		ST		PH		OBC	
M	F	M	F	M	F	M	F	M	F
01	08	03	01	-	01	01	-	-	02

New Admission

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.Ed.	12	33	09	09	03	05	02	01	16	13	06	10
M.Ed.	05	19	03	05	02	02	01	01	10	03	06	01
M.A (Edn.)	12	08	03	02	01	02	-	-	06	03	06	06
Ph.D.	04	03	-	01	01	-	-	-	01	-	-	-

State-wise Break up of students (For Ph.D)

STATE	M	F	T
West Bengal	87	102	189
Odisha	01	-	01
Bihar	-	02	02
Gujrat	-	01	01
Jharkhand	-	01	01
Sikkim	-	01	01
UP	-	01	01

Subject-wise Break up of students (Education)

	M	F	T
Graduate	89	112	201
Post-Graduate	91	84	175
Ph.D	10	16	26

Physical Education

Students Strength as on 31.03.2017

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.A/B.Sc Sem I-II	16	02	06	-	02	01	-	-	11	01	12	01
B.A/B.Sc Sem III-IV	17	02	06	-	05	-	-	-	08	02	07	03
B.A/B.Sc Sem V&VI	18	-	12	-	04	01	-	-	10	03	05	02
B.P.Ed. I-II	27	02	09	-	02	-	-	-	09	01	04	-
B.P.Ed. III-IV	20	05	07	-	04	-	-	-	13	01	08	03
M.P.Ed. Sem I-II	20	-	06	-	02	01	-	-	10	01	09	-
M.P. Ed. Sem III-IV	17	03	06	-	03	-	-	-	10	01	11	-
Ph.D.	20	07	06	02	03	01	-	-	12	03	03	02
PG (YOGA) I Yr.	12	17	04	01	-	-	-	-	-	-	04	01

New Admission

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.A/B.Sc I Yr.	16	02	06	-	02	01	-	-	11	01	12	01
B.P.Ed. I Yrd.	27	02	09	-	02	-	-	-	09	01	4	-
M.P.Ed. I Yr.	20	-	06	-	02	01	-	-	10	01	09	-
YOGA I Yr.	12	17	04	01	-	-	-	-	-	-	04	01
Ph.D.	03	-	01	-	01	-	-	-	01	01	-	-

Palli Samgathana Vibhaga

Adhyaksha (Principal) : Prof. Amit Hazra

Department of Social Work

Roll Strength as on 31.03.2017

B.S.W. (Hons.)

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	09	06	04	03	01	02	-	-	02	06	03	03	10	08
2nd Yr.	08	10	03	02	01	02	01	-	05	08	01	03	04	09
3rd Yr.	10	14	03	03	01	03	-	01	01	02	03	05	03	12
Total	27	30	10	08	03	07	01	01	08	16	07	11	17	29

M.S.W.

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	08	15	07	03	-	03	-	-	05	04	01	05	09	09
2nd Yr.	11	09	03	01	-	02	-	-	07	02	01	03	12	05
Total	19	24	10	04	-	05	-	-	12	06	02	08	21	14

Ph.D.

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	06	09	02	03	02	02	02	-	04	03	01	-

NEW ADMISSION

B.S.W. (Hons.)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
09	06	04	03	01	02	-	-	02	06	03	03

MSW

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
08	15	07	03	-	03	-	-	05	04	01	05

Ph.D (New Admission)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
02	02	01	-	01	-	-	-	02	-	01	-

**Distribution of Dayscholar
and Resident students**

	M	F	T
Dayscholar	57	61	118
Resident	38	43	81
Total	95	104	199

**State-wise Break up of students
Course**

STATE	M	F	T
Assam	01	-	01
Bihar	01	03	04
Jharkhand	02	02	04
Sikkim	-	02	02
Delhi	-	01	01
Odisha	01	-	01

Distribution of Foreign students

Country	M	F	T
Bangladesh	01	03	04
Vietnam	01	-	01

Subject- wise break-up of students in different courses

Subject	Graduate			Post Graduate			Ph.D.		
	M	F	T	M	F	T	M	F	T
Social-Work	48	62	110	43	41	84	13	18	31

Silpa-Sadana

Roll Strength as on 31.03.2017

Bachelor in Design

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	09	11	04	04	-	01	01	-	05	01	-	-
2nd Yr.	06	11	04	01	03	-	-	-	08	02	-	01
3rd Yr.	06	06	07	-	01	-	01	-	06	04	02	03
4th Yr.	13	07	04	01	03	-	-	-	02	04	01	-

B.Voc

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	10	02	02	02	02	-	-	-	02	02	-	-

M.Des

1st Yr.	07	12	01	01	-	-	-	-	-	-	-	-
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Ph.D

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	04	05	-	-	-	-	-	-	-	-	-	-

New Admission

B. Design

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
I. Year	09	11	04	04	-	01	01	-	05	01

B.Voc

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	10	02	02	02	02	-	-	-	02	02	-	-

M.Des

1st Yr.	07	12	01	01	-	-	-	-	-	-	-	-
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Ph.D

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	04	05	-	-	-	-	-	-	-	-	-	-

Distribution of Foreign Students

COUNTRY

	M.	F.	T.
Bangladesh	03	02	05

CERTIFICATE COURSES

Course (Certificate)

	M	F	Total
Batik	-	01	01
Pottery	01	-	01
Leather	01	-	01
Weaving	01	01	02
Wood-Work	03	-	03

Distribution of Foreign students

Country	M	F	T
Bangladesh	01	01	02

Subject- wise break-up of students in different courses

Subject	B.Des			B.Voc			M.Des			Ph.D		
	M	F	T	M	F	T	M	F	T	M	F	T
Foundation (B.Des)	40	32	72									
Glass & Ceramic	18	05	23	16	06	22	02	01	03	-	-	-
Furniture & Interior	12	05	17	-	-	-	05	04	09	-	02	02
Textile & Clothing	10	13	23	-	-	-	01	08	09	04	03	07

Palli Charcha Kendra

(Institute of Rural Development)

Roll Strength as on 31.03.2017

B.R.S. (Under Graduate)

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	11	08	03	04	02	01	-	01	04	06	02	04	02	04
II Yr.	09	06	05	02	03	01	-	-	07	04	01	02	07	02

Post-Graduate (R.S.)

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	01	01	01	-	-	-	-	-	01	-	-	-	01	01
II Yr.	01	01	-	-	-	-	-	-	-	-	-	-	-	-

Ph.D

Course Work	08	03	02	01	-	01	-	-	01	-	-	-	-	-
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NEW ADMISSION

B.R.S. (Under Graduate)

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	11	08	03	04	02	01	-	01	04	06	02	04	02	04

Post-Graduate (R.D.)

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	01	02	01	-	-	-	-	-	01	-	-	-	01	01
Ph.D	02	-	-	-	-	-	-	-	01	-	02	-	-	-

Distribution of Dayscholar and Resident students

	M	F	T
Dayscholar	49	32	81
Resident	10	07	17
Total :	59	39	98

**State-wise Break up of students
Course**

STATE	M	F	T
Assam	01	-	01
Bihar	03	-	03
Sikkim	01	-	01
W.Bengal	54	39	93

Distribution of Foreign students

Country	M	F	T
Bangladesh	03	-	03

Dept. of Life Long Learning & Extension

(Rural Extension Centre)
Roll Strength as on 31.03.2017

M.A in Rural Management

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	07	09	05	01	-	01	-	-	01	01	01	-	08	12
							Ph.D.							
	08	03	01	-	-	-	-	-	02	01	-	-	-	-

Dayscholar and Resident Students

	M.	F.	T.
Dayscholar	06	-	06
Resident	08	12	20
Total	14	12	26

Palli Siksha Bhavana
(Institute of Agricultural Science)
Adhyaksha (Principal) : Prof. Sarthak Chowdhury
Roll Strength as on 31. 03. 2017

B.Sc. (Ag.) Hons.

Course	General		Scheduled Caste		Scheduled Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1st. Yr.	11	12	04	03	01	03	-	-	14	02	01	01	30	18	18	16
2nd Yr.	16	11	04	04	02	02	-	-	14	02	02	01	36	18	25	15
3rd. Yr.	14	13	06	03	02	01	01	-	14	02	05	01	37	19	26	16
4th. Yr.	16	07	08	-	01	01	-	-	11	03	06	-	36	11	22	05
Total	57	43	22	10	06	07	01	-	53	09	14	03	139	66	91	52

M.Sc. (Ag.)

Course	General		Scheduled Caste		Scheduled Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1st. Yr.	20	08	07	04	02	03	-	-	12	05	03	04	41	20	30	13
2nd Yr.	18	07	05	04	02	02	-	-	10	03	02	01	35	16	21	08
TOTAL	38	15	12	08	04	05	-	-	22	08	05	05	76	36	51	21

B.Sc. (Ag.) Hons.

New Admission

Course	General		Scheduled Caste		Scheduled Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Admitted	11	12	04	03	01	03	-	-	14	02	01	01	30	18	18	16

M.Sc. (Ag.)

New Admission

Course	General		Scheduled Caste		Scheduled Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Admitted	20	08	07	04	02	03	-	-	12	05	03	04	41	20	30	13

Ph.D

Course	General		Scheduled Caste		Scheduled Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	11	06	02	03	02	01	-	-	05	-	01	01	20	10	-	-

**Distribution of Dayscholar
and Resident students**

	M	F	T
Dayscholar	206	84	290
Resident	142	73	215
Total	348	157	505

State-wise break-up of students in different courses

State	Undergraduate			Post-Graduate			Ph.D.		
	M	F	T	M	F	T	M	F	T
Andhrapradesh	-	-	-	02	-	02	03	-	03
Arunachalpradesh	-	-	-	-	01	01	01	01	02
Bihar	02	05	07	07	06	13	07	03	10
Chhatisgarh	-	-	-	05	02	07	02	-	02
Gujrat	-	-	-	-	-	-	01	-	01
Jharkhand	-	-	-	-	01	01	01	02	03
Kerala	01	-	01	01	01	02	02	-	02
Maharashtra	-	-	-	-	-	-	06	-	06
Manipur	-	-	-	-	-	-	07	05	12
Mizoram	-	-	-	-	-	-	-	01	01
Tamilnadu	-	-	-	01	-	01	-	01	01
Meghalaya	-	-	-	-	01	01	-	05	05
Odisha	05	01	06	06	05	11	18	11	29
Rajasthan	01	-	01	01	-	01	-	01	01
Sikkim	-	-	-	-	01	01	02	02	04
Tripura	-	-	-	-	02	02	06	07	13
Uttarpradesh	-	-	-	-	-	-	05	01	06
West Bengal	135	58	193	52	12	64	69	11	80
Karnataka	-	-	-	01	03	04	-	-	-

Patha-Bhavana

(School Section)

Adhyaksha (Principal) : Smt. Bodhirupa Sinha

Roll Strength as on 31. 03. 2017

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Residents Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
MAP I	10	08	07	15	03	04	-	01	14	10	-	-
MAP II	15	14	08	07	04	03	-	01	14	11	-	-
I	17	17	06	08	02	03	-	-	04	02	-	-
II	10	13	15	14	05	02	-	-	05	04	05	11
III	03	03	06	08	02	01	-	01	07	10	18	22
IV	26	20	10	07	02	03	01	-	03	01	12	10
V	12	27	08	15	03	01	-	-	03	03	13	17
VI	13	19	07	16	01	04	-	-	03	01	09	19
VII	26	29	09	10	01	06	-	01	07	02	17	22
VIII	17	26	09	13	03	05	-	-	01	03	09	12
IX	24	39	12	12	03	03	-	-	01	-	11	16
X	19	33	09	08	02	01	-	-	03	03	09	13
XI	-	-	-	-	-	-	-	-	-	-	-	-
XII	34	42	06	07	01	02	-	-	05	09	34	28
Total	226	290	112	140	32	38	1	4	70	58	137	170

NEW ADMISSION

	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Residents Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Class - II	01	08	01	04	01	01	-	-	02	03	06	16
Class-III	-	04	02	04	01	-	-	-	01	04	05	13
Class-V	-	01										
Class-VI		01	-	-	-	-	-	-	-	-	-	01
Class-VII	-	01	-	-	-	-	-	-	-	-	-	01
Class-XI	-	03	-	04	-	02	-	-	-	11	-	19

Distribution of Foreign Students

COUNTRY	M.	F.	T.
Korean	1	-	1
Bangladesh	01	07	08
Spain	01	-	01

State-wise break-up of students

STATE / COUNTRY	M.	F.	T.
West Bengal	461	516	977
Odisha	-	01	01
Manipur-	01	01	
Foreign	03	07	10
Total	464	525	989

Dayscholar and Resident Students

	M.	F.	T.
Dayscholar	327	355	682
Resident	137	170	307
Total	464	525	989

Siksha-Satra

(Institute Primary, Secondary & Higher Secondary Education)

Adhyaksha (Principal) : Dr. Jayanta Kr. Bhattacharya

Roll Strength as on 31.03.2017

Course Upto Class-XII	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
KG-XII	211	240	109	62	34	22	1	-	50	44	26	34

Chapter-V

"Projects/Schemes being executed by the University under XII Plan General Development Assistance “(upto 31.03.2017)”

Sl. no.	Name of the project/schemes
(i)	Construction, extension etc.
1	Construction of two Concrete Umbrella (Chhata) inside the premises of the Department of Computer & System Science, Siksha Bhavana, Santiniketan.
2	Construction of sheds & toilets in the premises of the Dept. of Philosophy and Comparative Religion at Santiniketan.
3	Construction for Electrical Room for the Department of Physics, Siksha Bhavana, Santiniketan.
4	Construction of Meter Room attached to Uttarayan Complex at Santiniketan.
5	Construction of Swimming Pool at Visva-Bharati, Santiniketan.
6	Providing partition walls and shed in front of cash counter of Central Administrative Building, Visva-Bharati, Santiniketan with necessary sitting arrangements and toilets.
7	Construction of Hostels at Visva-Bharati- SH: Extension of double storied ladies hostel at Shree Sadan Ashram Area, Santiniketan.
8	Construction of Hostels at Visva-Bharati- SH: Construction of cycle stands at hostels, Santiniketan and Sriniketan area.
9	Construction of staff quarters (Phase-I) at Visva-Bharati.
10	Construction of Examination Hall above the ground floor of CIHAB Laboratory at Palli Siksha Bhavana, Sriniketan (near KVK).
11	Construction of classrooms for Department of Education at Vinaya-Bhavana, Santiniketan.
12	Construction of rooms on the 1st floor of the Admission Coordination Cell and Academic & Research Section, Santiniketan.
13	Construction of Bathroom and Toilets near Hatipukur at Patha-Bhavana Ashram Ground, Santiniketan.
14	Construction of Staff Quarters (Phase-II) at Andrews Palli, Santiniketan.
15	Extension of Central Administrative Building at Santiniketan.
16	Extension of Department of Chemistry at Visva-Bharati, Santiniketan.
17	Construction of classrooms for Department of Education at Vinaya-Bhavana, Santiniketan.
18	Extension of Siksha Bhavana Canteen.
19	Extension of classroom and canteen including wooden flooring & wall paneling at Sangit-Bhavana, Visva-Bharati.
20	Construction of cow shed, Net house, Farm compost unit, Farm road, Pump house and Irrigation Channel, Fencing, Renovation of Farm House, Construction of Guard Wall at Palli Siksha Bhavana, Visva-Bharati, Santiniketan.

- 21 Setting up of Audio Visual Studio at the new building of Sangit-Kala Bhavana, Visva-Bharati, Santiniketan.
- (ii) Repair & Renovation etc.
- 1 New electrical wiring to bear the additional electrical load at the Dept. of Environmental Studies.
- 2 Repairing & renovation of A-1 type quarter no. 25 at Ratanpalli, Santiniketan.
- 3 Renovation of Examination Section at 1st floor of the Administrative Building, Santiniketan.
- 4 Providing false ceiling and floor tiles including some repair renovation work and electrical installation works at Karmi-Sabha Office, Santiniketan.
- 5 Repair, renovation of Qtr. No. 8 at Sevapalli, Santiniketan.
- 6 Repair of Qtr.No.18, 19, 25, 26 at Andrewspalli, Santiniketan to be used as classrooms for the dept. of Biotechnology.
- 7 Repairing, renovation of Chatak at Santiniketan.
- 8 Repairing & renovation of Vinaya-Bhavana Girls' Hostel, Santiniketan.
- 9 Repair to CIT Boys Hostel (Banabithi, Durer Balaka, Khela Ghar, Sonar Tari, Kitchen with Bathroom) at Sriniketan.
- 10 Repairing & renovation for the toilet block of Kala-Bhavana Boys' Hostel, Santiniketan.
- 11 Repair/renovation (including face lifting) of Lipika Auditorium at Santiniketan.
- 12 Roof treatment for Mrinalini Girls Hostel at Santiniketan.
- 13 Roof treatment of Birla Girls Hostel at Santiniketan.
- 14 Repair & renovation of quarter no. 9 at Sripalli, Santiniketan.
- 15 Repair and renovation of CIT Girls Hostel at PSV, Sriniketan.
- 16 Repair and renovation of different toilets at Kala-Bhavana, Santiniketan.
- 17 Renovation of Andrews Memorial Hospital, Santiniketan.
- 18 Electrical rewiring works of Kuthibari building at Sriniketan (due to civil works taken up by ASI).
- 19 Thorough electrical rewiring with some addition and alteration after civil renovation work at Qrt. No. 4, Purbapalli, Santiniketan.
- 20 Renovation and face lifting of P. M. Hospital at Santiniketan (Phase-I).
- 21 Renovation of Panchabati Guest House at Santiniketan.
- 22 New electrical wiring of Unit no. 3 of Panchabati Guest House after through civil renovation work.
- 23 (i) Renovation of Pearson Memorial Hospital at Santiniketan (Phase-II) and (ii) New electrical installation work for extending connection to AC machines installed at Indoor Unit and OPD (Doctor's Chamber) at Pearson Memorial Hospital, Santiniketan.
- 24 Renovation and upgradation of quarter no. 24, Ratanpalli, Santiniketan.
- 25 New electrical wiring at Chatak, Santiniketan in connection with civil renovation work including electrical load enhancement.
- 26 Repairing of one unit flat at Indira Gandhi Centre, Santiniketan.
- 27 (i) Repair, renovation and restoration of Visva-Bharati Canteen at Santiniketan and (ii) Thorough electrical re-wiring after civil renovation of Visva-Bharati Canteen near China Bhavana at Santiniketan.

- 28 Renovation of Rabindra Sangeet Gobeshana Kendra (old B. M. Sen building) at Santiniketan.
- 29 Renovation of front and rear kitchen, common room including minor face lifting of different hostel blocks of Vidya-Bhavana Boys Hostel, Santiniketan.
- 30 (i) Partition of hall for Women's Studies Centre at 1st floor of P.M.Hospital, Sriniketan and
(ii) Electrical rewiring with some addition and alteration after civil renovation works at 1st floor of P.M.Hospital, Sriniketan.
- 31 False-ceiling and for electrical overhauling at the Department of Computer & System Sciences (1st floor), V.B.
- 32 Electrical re-wiring of quarter no. 3 (1st floor) at Indira Gandhi Centre.
- 33 Execution of essential repair & face lifting work of entire existing buildings at the campus of the University expeditiously, prior to forthcoming visit of NAAC to Visva-Bharati.
- 34 Repair to quarter no. 15 at Ratanpalli, Santiniketan.
- 35 Repair and renovation with roof treatment of quarter no. 1 at PSB area, Sriniketan urgently considering the present condition of the respective quarter.
- 36 Renovation of building allotted to Centre for Endangered Languages, Santiniketan.
- 37 Essential renovation/repair of University staff quarters (including roof treatment, electrical and allied works wherever so required).
- 38 Repair & renovation of A-type quarter no. 25 at Ratanpalli, Santiniketan in Phase-I.
- 39 Essential repair/renovation of kitchen at Sriniketan Girls' Hostel.
- 40 Repair & renovation of General Kitchen (west side portion) at Ashrama area, Santiniketan.
- 41 Additional work at Rabindra Sangit Ganeshana Kendra at Santiniketan.
- 42 Additional electrical wiring for Central Instrument Facility rooms for dept. of Biotechnology at Integrated Science Building, Siksha-Bhavana.
- 43 Thorough electrical wiring including other allied electrical works at Kala-Bhavana Library, Santiniketan.
- 44 Repairing, face lifting, modernization of classrooms and installing a computer-cum-language laboratory in the department of Hindi - civil & electrical works.
- 45 Completion of 'Gitanjali Centenary Hall' at Rabindra Bhavana, Santiniketan.
- 46 False ceiling and partition of faculty rooms at Centre for Journalism & Mass Communication (CJMC), Vidya Bhavana.
- 47 Renovation & restoration of the anti-chamber of Upacharya office (1st Floor) at Santiniketan.
- 48 Renovation and restoration of Upacharya's Office attached to AAO's Room and bath, toilet at Sriniketan.
- 49 Renovation, restoration of Director's residence (Rabindra Bhavana) at Purbapally, Santiniketan.
- 50 Renovation of Conference Hall at Central Administrative Building (1st Floor) including electrical works, Santiniketan.
- 51 Repair, restoration of office of DSW, V.B. including extension of bathroom and toilets for making space for the Director of Physical Education.
- 52 Renovation and restoration of Kitchen, Dining block 3 nos. Cycle Shed, Common Room and Passage of Nandan Boys' Hostel, Santiniketan.
- 53 Restoration of electrical internal wiring of Nandan Boys' Hostel (ground and 1st floor),

- Common Room, Kitchen & Dining, Santiniketan.
- 54 Renovation of Proctor's Office and construction of Cycle Stand (F.S. accorded in favour of Proctor).
- 55 Urgent repair & renovation of 'Shyamali' to be executed by ASI on deposit basis.
- 56 Repairing of Guha Ghar at Uttarayan Complex, Santiniketan to be executed by ASI on deposit basis.
- (iii) Campus Development (boundary wall, fencing, road etc.)
- 1 Development of sculpture park at Lalbandh, Santiniketan.
 - 2 To overcome water crisis in Hostels, Hospitals, Offices, etc. with Visva-Bharati campus.
 - 3 Upkeep, cleaning and maintenance of Santiniketan & Sriniketan area including Hostels and beautification of old Mela Ground, Santiniketan.
 - 4 Development of sports infrastructure/activities of the University.
 - 5 Installation of water sprinkler with necessary pipe system, water tank, pump etc. at Ashram Ground, Santiniketan for sports activities of the University.
 - 6 Takeover of the lease hold plot no.-25, Purbapalli, Santiniketan by the University.
 - 7 Renovation & development of water bodies at various locations of the campus.
 - 8 Execution of developmental purposes/works (i.e. boundary wall, approach road etc.) urgently in Kaliganj & Pearsonpalli area, Santiniketan.
 - 9 Purchase of private lands and buildings contiguous to Ashram area, Visva-Bharati
 - 10 Registration of the land and building to be donated by Smt. Supti Roy, Rathindrapally, Sriniketan.
 - 11 Purchase of land to facilitate construction of peripheral roads at V.B. campus.
 - 12 Completion of restoration & development of water bodies at Kaligunge area, Pearson Palli, Santiniketan.
 - 13 Purchase of building/structure on the lease hold plot no. 13 at Purbapally, Santiniketan from Prof. Kalpati Ganapati Subramanyan.
 - 14 Demarcation of land with new pillars (50 nos. T pillars including grouting and 15 nos. high demarcation pillars) at certain plots acquired/purchased/donated by/to Visva-Bharati to prevent encroachment and unauthorised use of the same.
 - 15 Construction of boundary wall/fencing in Gurupalli for security of Ashram area at Santiniketan.
 - 16 Construction of Kachha road at Kaliganj, Santiniketan.
 - 17 Construction of 100 nos. gabion for newly planted trees at Mouldanga, VB campus.
 - 18 Providing wicket gates, gate, fencing at different places at Lalbandh, Shyambati & SAIL Guesthouse at Santiniketan.
 - 19 Providing fencing/boundary wall in the North-West corner of Mollah Sadan Hostel at Santiniketan.
 - 20 Water supply (non-recurring part).
 - 21 Replacement of pump no.-III of Shyambati Highlift Pump House, Santiniketan.
 - 22 Construction of boundary wall/fencing at (i) from entrance to the Pous Mela ground opposite to Nisha Hotel to the PWD (construction) office along the road (approx length 400 meter) and (ii) from Nisha Hotel to Bhuboda's shop on the western side of PWD road (approx length 250 meter) at Santiniketan.

- 23 Providing fencing & associated drain, culvert, gate etc. from Malancha to Siksha-Bhavana by the side of PWD road and adjacent plots mainly to safeguard the area from the trespassers.
- 24 Providing iron gate and closing the gap in the boundary wall of Purbapalli area near IGCNI ground at Santiniketan.
- 25 Emergency replacement of P.V.C. Tanks of different hostels/office buildings of V.B.
- 26 Replacement of old small Centrifugal Pump in different hostels, quarters and Laboratories.
- 27 Construction of underground tank (10,000 Liter) necessary connection with new pump set (one stand-by) electrical panel (semi-automatic) at Maitre Girl's Hostel, Santiniketan.
- 28 Construction of Valve Chamber at different places of Visva-Bharati.
- 29 Replacement of damaged distribution line of Dakshinpalli LSS and Vinoy-Bhavana LSS quarters at Santiniketan.
- 30 Electrical installation work and laying of underground cable line for extending power from newly installed Transformer Meter Room beside Natya Ghar to Electrical panel room of Bichitra building at Uttarayan Complex, Santiniketan.
- 31 Construction of fencing in front of Purbapalli Guest House at Santiniketan.
- 32 Construction of boundary wall adjacent to Barabandh near Kalisayer at Sriniketan.
- 33 Construction of fencing wall along the side of forest for Sriniketan- Santiniketan cycle way from forest corner to canal (approx. length of wall 300 mtr.).
- 34 Electrical load enhancement at Seminar Hall, Vinaya-Bhavana, Santiniketan by WBSEDCL.
- 35 New electrical service connection from dedicated feeder including electrical load enhancement at Bana Nandan, Kala-Bhavana, Santiniketan by WBSEDCL.
- 36 Construction of RCC road shoulder with gutter and cross drainage in front of Administrative Building, Santiniketan.
- 37 (i) Service connection for dedicated feeder at Rabindra Sangeet Gabeshana Kendra (Old B. M. Sen building) and centre for Endanger Languages at Gurupalli, Santiniketan by WBSEDCL and (ii) Thorough electrical wiring in Rabindra Sangeet Gabeshana Kendra (Old B. M. Sen building) at Gurupalli, Santiniketan.
- 38 Through electrical wiring of General Kitchen at Santiniketan after civil renovation works.
- 39 New electrical service connection at Central Library, Visva-Bharati to be deposited with WBSEDCL.
- 40 New electrical service connection at Experiential Learning Unit at Department of Plant Protection, PSB.
- 41 Supplying, fixing and installation of 16 mts. High Mast Lighting Pole with 16 nos. 150 Watt LED lights alongwith all accessories at Pous Mela Ground, V.B.
- 42 Completion of construction of boundary wall/fencing at Barobandh area Sriniketan (Phase-II) mainly to safetuard the respective property of the University.
- 43 Construction of road side fencing at Sevapalli area, Santiniketan (opposite to Ananda Pathsala).
- 44 Construction of wall and fencing of University vacant plots (Mouza-Surul, Bandhogora, JI.no. 104, 100, PS-Bolpur, Birbhum) at Simantapalli, Santiniketan.
- 45 Installation of one submersible water pump in the pay and use toilet at Mela Ground (near office of the SDPO).
- 46 Construction of pathway at Santisri Boys Hostel at Vinaya-Bhavana.

- 47 Fixing of barbed tape with iron angle post and allied works on security wall of Dairy Farm, PSB, Sriniketan.
- 48 Construction of drain from Siksha Bhavna gate upto Sripalli Bachelors Quarters, Santiniketan.
- 49 Installation of new pumping machineries and laying essential distribution pipe lines at Dakshinpalli area, Santiniketan as a part of augmentation of water supply system of the campus.
- 50 Repairing of internal road through the University staff quarters at Sripalli, Santiniketan.
- 51 Repairing of internal road through Siksha-Bhavana Campus, Santiniketan.
- 52 onstruction of wall and fencing at Bhubandanga Bandh to USS Hostel (North Side), Santiniketan.
- 53 Construction of chain link fencing with brick work near Dizobiram and DSW office at Santiniketan.
- 54 Landscaping and Gardening at Ratan Kuthi Guest House, Santiniketan.
- 55 Restoration of boundary wall at Purbita building (Upacharya's Official residence), Santiniketan.
- 56 An additional amount for electrical enhancement by WBSEDCL at (i) Cheena Bhavana main block and (ii) Kadambari Girls' Hostel, Santiniketan.
- 57 Electrical load enhancement by WBSEDCL (including security deposit) a the building of General Kitchen & Adhyapak Sabha Office.
- 58 Making class-bedi and dance-bedi alongwith gate and pillar at Dinendra Kunja, Santiniketan.
- 59 Restoration of boundary wall, fencing, gate and RCC main roof and landscaping at Indira Gandhi Centre, V.B.
- 60 Installation of speed breakers (Rumbler) at various locations of the campus as a part of safety measures.
- 61 Construction of roads, road side fencing and drain from Bhubandanga Bandh to south-east corner of Ashrama Ground to connect the existing road from Nisha Hotel, Santiniketan (Phase-II).
- 62 Construction of boundary wall/security fencing behind Uttarayana Complex (high security fencing from the backside of Engineering Store to Khoai Hostel along east to west side, 2 storeied security tower, high mast light etc.)

Chapter-6

UNIVERSITY FINANCE

Comparative Expenditure Statement for the five years (Non-Plan)

Head of A/C	Actual 2012-13 Rs. In lakhs	Actual 2013-14 Rs. In lakhs	Actual 2014-15 Rs. In lakhs	Actual 2015-16 Rs. In lakhs	Actual 2016-17 Rs. In lakhs
RECEIPTS :					
UGC Grant	14127.50	16605.33	18913.55	21706.99	221.08.16
Self Generation	618.12	801.55	823.52	873.41	892.73
TOTAL :	14745.62	17406.88	19737.07	22634.40	23000.89
PAYMENTS :					
Pay & Allowance	9511.17	11259.72	12446.99	13248.76	13390.70
Pension & Retirement Benefits	3804.08	5209.36	5590.47	6303.98	6442.43
Non-Salary Expenditure	1531.67	1383.87	1678.89	1953.26	2085.67
TOTAL :	14846.92	17852.95	19716.35	21506.00	21918.80

Fund Non-Plan (Maintenance Grant Received from UGC during The Financial Year 2016-2017)

Particulars	Amount (Rs.) in Lakhs
1. 1st. Installment	3630.29
2. 2nd Installment	7260.58
3. 3rd Installment	1878.72
4. 4th Installment	1076.56
5. 5th Installment	1990.62
6. 6th Installment	1990.62
7. 7th Installment	4280.77
Total :	22108.16

FINANCIAL PERFORMANCE AT A GLANCE (NON-PLAN)

	Actual 2011-12	Actual 2012-13	Actual 2013-14	Actual 2014-15	Actual 2015-16	Actual 2016-17
OPENING BALANCE	892.92	562.23	460.93	14.86	20.72	1128.40
RECEIPTS						
UGC Grant	11724.62	14127.50	16605.33	18913.55	21760.99	22108.16
Self-Generation	682.24	618.12	801.55	808.66	852.69	892.73
TOTAL RECEIPTS	12406.86	14745.62	17406.88	19722.21	22613.68	23000.89
PAYMENTS						
Pay & Allowance	8602.36	9511.17	11259.72	12446.99	13248.76	13390.70
Pension & Retirement Benefits	3193.90	3804.08	5209.36	5590.47	6303.98	6442.43
Non Salary Expenditure	941.29	1531.67	1383.87	1678.89	1953.26	2085.67
TOTAL PAYMENTS	12737.55	14846.92	17852.95	19716.35	21506.00	21918.80
CLOSING BALANCE	562.23	460.93	14.86	20.72	1128.40	2210.49

Chapter-7

Ordinance & Amendments/Academic reforms :

1. Modification of review system of M.Phil & Ph.D. courses:
Considering the issue of giving justice to the back candidates of M.Phil./Ph.D. course work Examination-2015, following amendments are incorporated in related examination ordinance, w.e.f. 2015-2016 academic session:
 - a) One chance to be given for Re-examination; and
 - b) One chance to be given for Reviewing of Result
2. Re-evaluation System in UG & PG courses:
 - a) Marks should not be given in the answer sheet but examiner can underline on the answer sheet;
 - b) Flexibility be maintained regarding spot review system and selection of examiner(s) (internal examiner/external examiner) for re-evaluation of answer-script.
 - c) Concerned student(s) and the Internal Examiner(s), who have examined the answer-script earlier, should not be present at the process of review of answer-script.
3. Revised Syllabus for Comparative Literature (Subsidiary) is introduced from the Academic Session 2016-2017
4. Re-introduction of Six-month Certificate Course on Manuscriptology is accepted in principle.
5. One Year Postgraduate Diploma in Yoga Education (P.G.D.Y.Ed.) is introduced from the academic session 2016-2017.
6. M.Sc. course in Animal Science (Poultry) is introduced from the academic session 2016-2017.
7. New revised syllabi of various courses of Bhasha-Bhavana, i.e.,
 - a) Syllabus of Russian for the courses of M.A., Advanced Diploma, Diploma and certificate is accepted;
 - b) Syllabus of Comparative Literature (Subsidiary) is accepted;
 - c) Proposal of National Museum of Chinese writing, China is accepted
 - d) Enhancement of Duty leave to be dealt with as per UGC norms.
8. Library section will acquire necessary software and expertise and make awareness programme among the students and faculties;
 - i. Organizing workshop on plagiarism for the students and faculties of Visva-Bharati; and
 - ii. Ensuring some protection system to protect confidentiality and holiness of Visva-Bharati before uploading .
9. Yoga syllabus recommended by Committee on Yoga Education in Universities, for Bachelors and Masters in Physiotherapy (BPT & MPT) as designed by the Ministry of AYUSH is accepted.
10. Framing of news course and syllabus of B.Music, M.Music of Rabindra Nritya;
11. Changing of nomenclature of the Department of Rabindra Music, Dance & Drama (RMDD) to Rabindra Sangit, Dance & Drama (RSDD).

12. Revised API and Ph.D. related guidelines of UGC (3rd Amendment) under the light of GOI Gazette Notification dated 10th May, 2016 of extraordinary (Part III Section IV) on Minimum Qualification for Appointment of Teachers and Other Academic Staff in Universities and colleges for maintenance of Standards in Higher Education is accepted in principle.
13. Proposal regarding Memorandum of Understanding between Jawaharlal Nehru Manipur Dance Academy, Imphal and Sangit-Bhavana, Visva-Bharati is accepted.
14. Choice Based Credit System across the University from the year 2016-2017 is implemented as per directives of UGC.
15. Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degree Regulations, 2016 published on 5th May, 2016 and Government of India Gazette Notification (Extraordinary Part-III-Section-4) Published on 5th July 2016, New Delhi is accepted.
16. M.Phil, Ph.D., D.Litt Ordinance as prepared by the M.Phil./Ph.D./D.Litt Ordinance amendment committee constituted by the Upacharya as per with UGC regulations, 201 are accepted.
17. As Visva-Bharati is a Central University hence the Central Government list for OBC reservation will be followed in any admission at Visva-Bharati.
18. As per letter received from Prof. Jaspal S. Sandhu Secretary UGC regarding revision of curricula of all Academic Departments in Universities at least once in every three years, the proposal is considered.
19. The proposal of UGC for implementing NCC as an Elective Subject in Universities is considered.
20. The proposal of the H.O.D. Biotechnology regarding increase of Intake Capacity from 19 to 30 of the M.Sc. in Biotechnology programme is considered.
21. The following proposals of the Adhyaksha, Siksha-Bhavana are considered.
 - i. Revised Syllabi of M.Sc.(Mathematics)
 - ii. Revised Syllabus of M.Sc.(Biotechnology)
22. As per direction of Secretary UGC (Vide letter no. D.O.No.F.1-1/2016(secy) Date-19 May, 2016) for awarding degree in time to the students it is decided that the examination section will prepare the degree in proper time duly signed by the Competent Authority and an intimation be sent to the secretary UGC that the University is following the directions of the UGC.
23. New syllabus of M.A. in Education under Vinaya-Bhavana is approved.
24. The proposal of Adhyaksha Patha-Bhavana, regarding redesigning the question patterns in different subjects for class X and XII Final Examinations (Viz. School Certificate and Pre-degree) is approved.
25. The revised syllabus of M.Phil. of Rabindra Sangit, Manipuri Dance, Kathakali Dance, Drama & Theatre Arts is approved.
26. a) The proposed modified Undergraduate Syllabus for implementation from Academic session 2018-19 for (i) Economics & Politics (ii) Geography (iii) History (iv) Philosophy (v) Comparative Religion are accepted.
27. (b) Modified Postgraduate syllabus for implementation from Academic session 2017-18 for (i) Anthropology (ii) Economics & Politics (iii) Geography (iv) History (v) Philosophy (vi) Comparative Religion are accepted.

28. As per the letter of Secretary, UGC vide DO. No. F. 9-1 (2014/(PP I-II) dated 21st March, 2017 regarding introduction for identification mechanisms like photograph and Unique ID/ Aadhaar number in students certificates is accepted.
29. The proposal of H.O.D. Silpasadana regarding
 - a) Change of grading system of B.Voc. Programme.
 - b) Inclusion of two foundation courses (Tagore studies and Environmental studies) in the B.Voc. Course.
 - c) Approval of detail syllabus of Communication skill in English (Paper code: B.Voc.-I/01) are accepted.
30. Opening of M. Sc. (Ag.) in Entomology and M. Sc. (Ag.) in Plant Pathology courses in the Department of Plant Protection, Palli Siksha-Bhavana from the current academic session (2017-18).

31. Duration of different courses of Visva-Bharati :

The following course duration will be followed to fill up the forms for the International students of Visva-Bharati

- a) Course duration for Undergraduate & Postgraduate: July to June.
- b) Pre-degree (Higher Secondary) Course: Class XI & Class XII of Patha-Bhavana & Siksha-Satra
- c) School Certificate Examination (Secondary) Course: Class V to Class X.
- d) Primary: Class I to Class IV.
- e) Pre-Primary: Mrinalini Ananda Pathsala and Santosh Pathsala for Patha-Bhavana and Siksha-Satra respectively.
32. After getting an application duly certified (on the five points in tabular form as mentioned in the UGC notification) by the (a) Supervisor, (b) Head of the Department, and (c) Principal of concerned Department/Centres/ Bhavana/Vibhaga (Institute), the final 5-point Certificate will be signed by the Pro-Vice Chancellor.
- (d) Application form for registration/re-registration should scrutinize properly by the concerned department; and
- (e) BOS should verify critically about eligibility of Co-supervisor/Joint Supervisor before submitting the same in the Research Board. Any supervisor (joint/co- supervisor) outside Visva-Bharati needs to submit Curriculum Vitae with justification to Research Board through BOS for consideration.

Appendix- B

BHAVANA/VIBHAGA (INSTITUTES) OF VISVA-BHARATI & NAME OF THE ADHYAKSHAS (PRINCIPAL)

Name of Bhavanas/Vibhagas	(Head of the Institutes)
Bhasa Bhavana	Prof. Kailash Pattanayak
Vidya Bhavana	Prof. V.C. Jha
Siksha Bhavana	Prof. Dulal Pal
Kala Bhavana	Prof. Sitansu Mukhopadhyay
Sangit Bhavana	Prof. Madhabi Ruj Ghosh
Vinaya Bhavana	Prof. Sabujkoli Sen
Palli Samgathana Vibhaga	Prof. Manju Mohan Mukherjee
Palli Siksha Bhavana	Prof. Sarthak Chowdhury
Patha Bhavana	Smt. Bodhirupa Sinha
Siksha Satra	Dr. Jayanta Kumar Bhattacharya

Appendix- C

Functionaries of the University

<i>Paridarsaka</i> (Visitor)	: Sri Pranab Mukherjee, The Honorable President of India
<i>Acharya</i> (Chancellor)	: Sri Narendra Damodar Modi, The Honorable Prime Minister India
<i>Pradhana</i> (Rector)	: Sri Keshari Nath Tripathi, The Honorable Governor of West Bengal
<i>Upacharya</i> (Vice-Chancellor)	: Prof. Swapan K. Datta
Director of Studies, Educational Innovation & Rural Reconstruction	: Prof. Sabujkoli Sen
Director, Physical Edu., Sports, National Services & Student Welfare	: Dr. (Col) Mani Mukut Mitra
Director, Indira Gandhi Centre Finance Officer	: Prof. Aruna Mukhopadhyay
Proctor	: Sri Atul Prakash Trivedi
Registrar	: Prof. Amit Hajra
Jt. Registrar (Examinations)	: Prof. Amit Hajra (Acting)
Joint Registrar	: Sri Debasish Datta
Deputy Registrar (Academic & Res.)	: Sri Ajit Mondol
Deputy Registrar (Incharge SC/ST Cell.)	: Dr. Sanjay Ghosh
Joint Registrar (Development)	: Dr. Prashanta Meshram
Joint Registrar (Administration)	: Dr. Debasis Chakraborty
Deputy Registrar	: Sri Soumendra Sen
Deputy Registrar & In-charge Estate	: Sri Gouranga Dutta
Deputy Registrar	: Sri Ashok Kumar Mahato
Assistant Registrar	: Dr. Prajnalankar Bhikshu
Deputy Registrar (Rabindra-Bhavana)	: Dr. Satyanarayan Bhattacharya
Deputy Registrar-cum-C.S.to V.C	: Sri Prasanta Kumar Ghosh
Deputy Registrar	: Smt. Shyamala Roy
Assistant Registrar	: Sri Tanmay Nag
Assistant Registrar	: Ms. Sutapa Basu
Assistant Registrar	: Sri Raj Mallick
Assistant Registrar	: Sri Daibakinandan Das
Assistant Registrar	: Sri Moloy Sutradhar
Assistant Registrar	: Sri Utpal Hazra
Assistant Registrar	: Bratin Roy
Assistant Registrar	: Rupratan Pattanaik
Manager, Santiniketan Press	: Sri Abhijit Sengupta
Accounts Officer	: Dr. Prashanta Meshram
University Librarian	: Nirmalya Banerjee (Prof. In-charge)
Deputy Librarian	: Dr. Nimai Chand Saha
Incharge-Computer Centre	: S.S. Dasgupta
University Engineer	: Sri Amit Sengupta
Chief Medical Officer	: Dr. Sasanka Sekhar Debnath

Appendix- D**HEAD OF THE DEPARTMENT**

Department of Bengali	Prof. Amal Kumar Pal
Department of English and Other Modern European Language	Prof. Debarati Bandyopadhyay
Department of Hindi	Prof. Sakuntala Mishra
Department of Sanskrit, Pali and Prakrit	Prof. Norottam Senapati
Department of Odia	Prof. Monoranjan Pradhan
Department of Arabic, Persian, Urdu & Islamic Studies	Dr. Md. Faique
Department of Indo-Tibetan Studies	Dr. Shedup Tenzin (Teacher in charge)
Department of Japanese Studies	Ms. Gita A. Keeni
Department of Chinese Language and Culture	Dr. Avijit Banejee
Department of Economics and Politics	Prof. Sudipta Bhattacharyya
Department of History	Prof. Bipasha Raha
Department of Ancient Indian History, Culture & Culture & Archaeology	Dr. Bikash Mukherjee
Department of Geography	Prof. U.S. Malik
Department of Philosophy and Comparative Religion	Dr. Kausik Bhattacharyya
Department of Anthropology	Prof. Manas Roy
Department of Physics	Prof. Swapan Mondal
Department of Chemistry	Prof. Pranab Sarkar
Department of Mathematics	Prof. Prashanta Chatterjee
Department of Zoology	Prof. Santanu Roy
Department of Botany	Prof. Rup Kumar Kar
Department of Statistics	Dr. Arindam Chakraborty (Officiating)
Department of Computer and System Science	Prof. Dr. Utpal Roy
Centre for Mathematics Education	Prof. Prasanta Chatterjee
Dept. of Bio-technology	Dr. Amit Roy
Dept. of Integrated Science Education & Research Centre	Dr. Subrata Sinha
Dept. of Environmental Studies	Prof. Pratap Kr. Padhy
Department of Sculpture	Shri Mati Lal Kalai
Department of Graphic Art	Shri Ajit Seal
Department of Painting	Sri Rajarshi Biswas
Department of Design	Prof. Goutam Das
Department of History of Art	Dr. Sanjoy Kumar Mallik
Department of Hindustani Classical Music	Prof. Swapan Kr. Ghosh
Deptt. of Rabindra Music, Dance & Drama	Prof. Swastika Mukhopadhyay
Department of Education	Prof. Rajarshi Roy
Department of Physical Education	Prof. Samiran Mondal
Department of Silpa Sadana	Prof. Padmini Balaram
Palli Charcha Kendra (Dept. of Rural Studies)	Dr. Rathindranath Pramanik

Rural Extension Centre (Dept. of Life Long Edu.)	Dr. Sujit Kr. Pal
Department of Social Work	Prof. P.K. Ghosh
Department of Agricultural Extension	Prof. Souvik Ghosh
Department of Soil Science & Agricultural Chemistry	Prof. A.K. Chatterjee
Department of Agricultural Engineering	Prof. Sarthak Chowdhury
Department of Horticultural & Post Harvest Technology	Dr. Snehasis Chakravorty
Department of Agronomy	Prof. A.K. Barik
Department of Genetics & Plant Breeding & Crop Physiology	Dr. Amitava Pal
Department of Agricultural Economics & Agricultural Statistics	Prof. Debasis Bhattacharya
Department of Plant Protection (PP)	Prof. HIRAK CHATTERJEE
Department of Animal Science	Prof. S.K. Pyne
Centre for Journalism & Mass Communication	Prof. Biplab Loha Choudhury
Centre for Buddhist Studies	Prof. Aruna Ranjan Mishra (Director)
Womens Studies Centre	Dr. Deepita Chakraborty
Assamese Language Unit (Teacher in-charge)	Dr. Sangita Saikia
Centre for Modern European Languages & Literature & Culture	Prof. Romit Roy
Centre for Comparative Literature	Ms. Nilanjana Banerjee

Appendix-E

ACADEMIC STAFF

Bhasha-Bhavana

Bengali

N a m e

Qualification

Specialization

Professor

Mrinal Kanti Mandal
Sudip Basu

M.A., Ph.D
M.A., Ph.D

Modern Bengali Fiction
Bengali Literary Criticism,
Saratchandra, 20th Century
Bengali Literature & Culture
Bengali Poetry, Rabindranath
Bankimchanra, Modern
Bengali Literature
Old and Medieval Literature
Tagore Literature, Linguistics

Amal Kumar Pal
Miss. Sumita Bhattacharya

M.A., B.Ed., Ph.D
M.A., Ph.D

Old and Medieval Literature
Modern Bengali Poetry, Film Studies
Bengali Fiction, Women's studies
Modern Bengali Fiction, Mediavel Lit.
Modern Bengali Literature & Criticism,
Tagore Literature

Mrs. Aparna Roy (Bhattacharya)
Abhra Bose

M.A., Ph.D
M.A. Ph.D

Associate Professor

Nirmal Kumar Mandal
Manabendranath Saha
Rita Modak
Atanu Sasmal
Manabendra Mukhopadhyay

M.A., Ph.D
M.A., M.Phil, Ph.D
M.A., Ph.D
M.A., Ph.D
M.A., Ph.D

Assistant Professor

Milan Kanti Biswas
Biswajit Ray
Payel Mukherjee
Shreela Basu

M.A., B.Ed.Ph.D
M.A., Ph.D
M.A
M.A., Ph.D

Folk Literature & Philosophy
Linguistics Nineteenth Century
Semiotics & Dramatology
Tagore Literature

English and Other Modern European Languages

Professor

Abhijit Sen
Mrs. Sukla Basu (Sen)

M.A., Ph.D
M.A., Ph.D

Renaissance Studies, Theatre Studies, Tagore
Renaissance Studies, African
American Literature
Indian Writing in English, 19th C American
& British lit.; Tagore
American/Post colonial Literature
Russian Literature
Enlightenment Travel Literature
Medieval History and Italian Studies,
Translation Studies.
Eighteenth Century Studies, Post Colonial
Studies, Travel Writing : Tagore
19th C. New Literatures in English

Goutam Ghoshal

M.A., Ph.D., D.Lit.

Somdatta Mandal
Aruna Mukherjee
Nilanjan Chakraborti
Indrani Das

M.A., M.Phil., Ph.D
M.A, Ph.D
M.A., Ph.D.
M.A., Laurea, Ph.D.

Amrit Sen

M.A., M.Phil., Ph.D.

Debarati Bandopadhyay

M.A., Ph.D

Associate Professor

Tanuka Das
Swati Ganguly

M.A. Ph.D.
M.A., Ph.D.

20th C. Poetry, Ind. Writing in Eng.
Renaissance Studies, Theatre studies, Gender
Studies, Translation & Tagore.
Nineteenth Century Studies,
Postcolonial Studies, Popular Fic.

Sudev Pratim Basu

M.A.Ph.D

Sr.Asst. Professor

Romit Roy

M.A., M.Phil.

German Literature, Culture and Music
Theodore Adorno..

Saurav Dasthakur	M.A., M.Phil. Ph.D	20thC. Literature Postcolonial Studies, Literary Theory.
Dipankar Roy Ananya Duttagupta	M.A.,M.Phil. M.A., M.Phil.	Postcolonial Literature and Theory Renaissance Studies
Asst. Professor Tapu Biswas Nilanjana Bhattacharya	M.A. M.Phil, Ph.D. M.A, Ph.D	20th C Lit; American Lit; Indian Lit in English Comparative Lit; Indian Lit; Afro-American Lit; Latin American Lit
Soma Mukherjee	M.A. M.Phil, Ph.D.	Comparative Lit.; Bhasha Lit. Postcolonialism; Feminism
Shaona Barik Stuti Mamen	M.A. M.A.	Literature of the British Raj Modernism, Visual Arts & Literature.
<u>Arabic, Persian, Urdu and Islamic Studies</u>		
Professor Niaz Ahmed Khan	M.A., Ph.D.	Modern Persian Language, Literature & Translation
Associate Professor Wasif Ahmad Md. Faique	M.A., Ph.D. M.A., Ph.D.	Persian Short Stories Modern Persian Drama
Asst. Professor Md. Atiqur Rahman	Ph.D	Modern Persian Language, Literature & Translation
<u>Chinese</u>		
Professor Jayeeta Ganguly	M.A, Ph.D.	Chinese Buddhism
Associate Professor Avijit Banerjee Smt. Tandrima Pattrea	M.A.Ph.D, M.A	Chinese Language, Chinese Politics Chinese Language & Literature
Asst. Professor (Gr.II) Smt. Hem Kusum Chiranjib Sinha	M.A.M.Phil. M.A	Modern Standard Chinese language Chinese Language
Asst. Prof. Debdas Kumdu Sri Atreya Bhatta	M.A M.A	Chinese Language Lit. & History Chinese Language
<u>Hindi</u>		
Professor Harish Chandra Mishra	M.A., Ph.D	Philosophy of Literary history or criticism in Modern Literature
Rameshwar Prasad Mishra Mrs. Manju Rani Singh	M.A., Ph.D M.A., Ph.D	Medieval & Modern Literature Medieval & Modern Literature & Poetics
Mukteshwarnath Tiwari Chakradhar Tripathi R.N. Mishra Shakuntala Mishra	M.A., Ph.D M.A. Ph.D M.A. Ph.D, D.Lit M.A., Ph.D	Modern literature & Criticism Medieval & Modern Poetry Modern Poetry Modern literature & Criticism, Translation
Shailendra Kumar Tripathi	M.A., Ph.D	Modern literature & Criticism
Asst. Professor Subhash Chandra Roy Jagadish Bhagat	M.A., Ph.D M.A., Ph.D	Modern literature & Criticism Modern literature & Criticism

Sri Arjun Kumar S.Kumud	M.A.	
<u>Indo-Tibetan Studies</u> Associate Professor Sanjib Kimar Das	M.A, Ph.D	Tibetan Language & Buddhist Philosophy
Asst. Professor Shedup Tenzin Prakriti Chakraborty Sonam Zangpo Norbu Gyaltzen Negi	M.A, M.Phil.Ph.D M.A.(Double), Ph.D Acharya Ph.D M.A, Ph.D	Tibetan Buddhism Tibetan Language & History of Tibet Tibetan (Bhoti) Tibetan Language & Buddhism
<u>Japanese</u> Associate Professor Gita A Keeni	M.A (Philosophy) M.A (Japanese History)	Philosophy, Japanese Literature (Miwazawa Kenji), Cultural & History
Asst. Professor Ajoy Kumar Das	M.A	Japanese Language & Literature (Hori Tatsuo)
Sudipto Das Md. Atiul Azim	M.A (Japanese) M.A	(Japanese Language, Literature & Culture)
Odia Professor Kailash Chandra Pattanaik Sabita Pradhan Manoranjan Pradhan	M.A., Ph.D M.A., M.Phil., Ph.D M.A., Ph.D	Folklore/Fiction Linguistics, Fiction Comp.Literature, Fiction, Editing and textual criticism
Asst. Professor Smt. Pramila Patulia Sarat Kumar Jena Rabindra Kumar Das Indramani Sahoo	M.A.M. Phil.Ph.D M.A., L.L.B, Ph.D M.A., Ph.D. M.A., M.Phil.	Folk Literature Modern Literature & Cultural Study Linguistic & Modern Literature Linguistics & Fiction
Sanskrit, Pali & Prakrit Professor Narottam Senapati Mridula Ray Arun Kumar Mondal Lalita Chakraborty Aruna Ranjan Mishra J.R. Bhattacharya	Vidya-Varidhi (Ph.D.) M.A., Ph.D M.A., Ph.D M.A., Ph.D M.Phil, Ph.D M.A., M.Phil.Ph.D	Nyaya, Grammar Poetics, Grammar, Literature Poetics, Grammar, Prakrit Nyaya Vaisesika Literature Prakrit, Sanskrit ,Philosophy & Jaina Cannons
Associate Professor Niranjan Jena	M.A., Ph.D	Veda & Literature
Asst. Professor Harekrushna Mishra Sanjoy Kumar Mondal Gargi Bhattacharya Laxmidhar Malik Pritilaxmi Swain Ram Pramol Kumar	M.A.,M.Phil., Ph.D M.A.Ph.D M.A.,M.Phil.Ph.D M.A,M.Phil., Ph.D M.A., M.Phil., Ph.D M.Phil, Ph.D	Veda, Religion Indian Philosophy& Pali, Vedanta/Manu Scriptology Purans & Epics Vyakarana Literature

Santali**Asst. Professor**

Dhaneshwar Majhi	M.A., Ph.D	Folk Literature
Ramu Hembram	M.A. NET	Santhali
Tapan Soren	M.A. NET	Santhali
Dukhia Murmu	M.A., NET, Ph.D	Bibliography
Sanat Hansda	M.A. NET	Folk Literature
Mansaram Murmu	M.A, NET	Poetry

Marathi**Asst. Professor**

Ranvir Sumedh Bhagwan	M.A.	Marathi
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Tamil**Asst. Professor**

Senthil Prakash. S	M.A., M.Phil.	Tamil
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Assamese Language Unit**Asst. Professor**

Sangita Saikia	M.A.Ph.D	Assamese
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Vidya-Bhavana**Ancient Indian History, Culture & Archaeology****Professor**

Subbiah Ganapathy	M.A., Ph.D.	Early Indian Art History & Early South Indian History
Subrata Chakrabarti	M.A., Ph.D.	Pre-and-Proto History
Arun Kumar Nag	M.A., Ph.D.	Proto-History
Ananda Chandra Sahoo	M.A., Ph.D.	Religion & Early Indian Art History

Associate Professor

Bikash Mukherjee	M.A., Ph.D.	Religion
Smt. Sina Panja	M.A., Ph.D.	Historical Archaeology
Sarita Khettry	M.A., Ph.D.	Epigraphy and Numismatist

Asst. Professor

Anil Kumar	M.A., Ph.D.	Social and Economic History
Smt. Bina Gandhi (Deori)	M.A., Ph.D.	Ethno Archaeology
K. Mavali Rajan	M.A., M.Phil, Ph.D.	Social and Economic History

Economics and Politics**Professor**

Sarbajit Sengupta	M.A., Ph.D.	Industrial Economics, Micro Eco. International Trade, Eco. of Edu.
Madhusudan Ghosh	M.A., Ph.D., Post-Doctoral	Agri. Eco, Devt. Eco, Macro Economics, Time Series, Indian Econometrics
Sudipta Bhattacharya	M.Sc., M.Phil., Ph.D.	Agricultural Economics, Monetary Economics, Marxian Economics
Pranab Kanti Basu	M.A., Ph.D.	International Trade, Economic Thought
Apurba Kumar Chattopadhyay	M.Sc, Ph.D.	Agricultural Economics, Dev. Economics Economics of Planning
Pranab Kumar Chattopadhyay	M.A., Ph.D.	History of Economics Thought, Environmental Economics, Econometrics
Mamata Roy	M.A., Ph.D.	Indian Political Thought

Associate Professor

Jagabandhu Saha	M.Stat., Ph.D.	Econometrics & Inventory Theory
Santadas Ghosh	M.Sc, MCA, Ph.D.	Econometrics, Env. Economics

Saumya Chakrabarti	M.Sc., Ph.D, M.Phil.	Advanced Economic Theory, Economics of Marx, International
Asst. Professor Uttam Sikdar	M.Sc.,M.Phil.	Statistics & Econometrics, Dev. Economics, Macroeconomics
Biswajit Mandal Amit Kr. Biswas Achiranshu Acharya	M.Sc., M.Phil, Ph.D. M.A. Ph.D. M.Sc.	International Economics, Dev. Economet. International Trade, Econometrics Environmental & Resource Economics & International Economics
Soumyadeep Chatterjee Biswajit Haldar Anamika Moktan Priya Brata Dutta	M.Sc. M.A., M.Phil. M.A M.A. P.hd.	Econometrics, Urban Economics Indian Economy; Development Economics International Trade; Env. Economics International Trade; Growth Economics
Geography Professor		
Sumantra Mukherjee Debasish Das	M.A., M.Phil., Ph.D. M.A., M.Phil., Ph.D.	Resource Geography, Water Resources Rural Development, Regional Planning, Agricultural Geography Geomorphology, Remote Sensing Geomorphology
Vibhash Chandra Jha Sutapa Mukhopadhyay Uma Sankar Malik Malay Mukhopadhyay	M.Sc., Ph.D. M.A., Ph.D. M.A., Ph.D. M.A., Ph.D.	Industrial Geography Fluvial Geomorphology, Regional Planning Environmental Geography
Associate Professor		
Manjori Bhattacharjee Gopal Chandra Debnath Premangshu Chakraborty	M.A., Ph.D. M.A, M.P.S, MBA, Ph.D. M.A., Ph.D.	Geomorphology Population Geography & GIS Cultural Geography & Tourism Geography
Asst. Professor Krishnendu Gupta	M.A., Ph.D.	Applied Geomorphology, Remote sensing & GIS
Bhairu Lal Yadav Ms. Sudipta Sarkar	M.A, M.Phil. M.A, M.Phil	Population Geography and Demography Population & Statement Geography
History Professor		
Sandip Basu Sarbadhikari	M.A., Ph.D.	Medieval India, Maritime History, Peasant Studies with reference to South
Chhanda Chatterjee	M.A., Ph.D.	Economic History of Modern India, Communalism in the Punjab East Asia
Bhaskarjyoti Basu Syed Ejaz Hussain	M.A., Ph.D. M.A., Ph.D.	Economic History & Maritime History Medieval Indian History, Numismatics, Epigraphy
Bipasha Raha (Dutt)	M.A., M.Phil.,Ph.D.	History of Modern India, Socio-economic history of Modern Bengal, Socio-economic ideas of Tagore
Associate Professor Dr. Kaushik Roy Deep Kanta Lahiri Chowdhury Smt. Arpita Sen	M.A., Ph.D. M.A., Ph.D. M.A., M.Phil., Ph.D.	Modern Indian History

Asst. Professor Arunava Das	M.A.	Economic History of Modern India, Tourism
Shubayu Chattopadhyay	M.A., M.Phil.	Economic History of Modern India
Pum Khan Pau	M.A., Ph.D.	
Sabyasachi Dasgupta	M.A., Ph.D.	
Atig Ghosh	M.A., Ph.D.	
Shdhi Mandoli	M.A., Ph.D.	
Amerandra Kumar	M.A., M.Phil, Ph.D.	
<u>Philosophy and Comparative Religion</u>		
Professor		
Sabujkoli Sen (Mitra)	M.A., Ph.D.	Indian Philosophy & Comparative Religion
Somnath Chakraborty	M.A.	Analytic Philosophy, Ethics
Asha Mukherjee	M.A., M.Phil., Ph.D.	Ethics, Logic, Analytic Philosophy, Feminist Philosophy, Jaina Philosophy
Bijoy Kumar Mukherjee	M.A., Ph.D.	Logic, Philosophy of Science
Md. Sirajul Islam	M.A., Ph.D.	Islam, Sufism
V. Raman	M.A., Ph.D.	Analytic Philosophy
Associate Professor		
Ranjan Mukhopadhyay	M.A., M.Phil., Ph.D.	Logic, Philosophy of Logic & Language
Gour Hajra	M.A., Ph.D.	Jainism, Buddhism, Philosophy of Religion
Anup Barman	M.A., Ph.D.	Indian Philosophy & Theory of Knowledge
Kousik Bhattacharya	M.A., Ph.D.	Philosophy of Science
Manjari Chakraborty	M.A., Ph.D.	Philosophy of Science
Asst. Professor		
Maya Das	M.A., Ph.D.	Indian Philosophy
Subhrojyoti Das	M.A., M.Phil.	Indian Philosophy & Religion
Mousumi Roy	M.A., Ph.D.	Sociology and Anthropology of Religion
M.P. Terence Samuel	M.A., Ph.D.	
Farha Naaz	M.A., M.Phil	Islam & Mysticism
Rekha Ojha	M.A., Ph.D	Social Philosophy, Applied Ethics
Sujoy Mondal	M.A.,	Buddhism, Ethics
<u>Education Unit</u>		
Professor		
Tarak Nath Pan	M.Ed., Ph.D.	Psychology of Teaching
Centre for Journalism		
Professor		
Biplab Loha Chowdhury	M.A., Ph.D.	Media Management Research & Rural Communication
Associate Professor		
Mrs. Mousumi Bhattacharya	M.A., Ph.D.	Audience Reseach, Audiovisual Media. (Radio, TV and Film,) New Media.
Asst. Professor		
Sanhita Chatterjee	M.A.,	Audio-Visual Production
Anthropology		
Professor		
Manas Ray	M.Sc., M.Phil, Ph.D D.Lit.	Enthnography of Communication/ Rural Communication

Sr. Asst. Professor Arnab Ghosh	M.Sc., Ph.D	Physical
Asst. Professor Jyotiratan Ghosh Rangya Gachui	M.Sc., Ph.D M.A., Ph.D	Physical Social-Cultural
Siksha-Bhavana Biotechnology		
Professor Sanghamitra Raha	Resphysiology	Cell Biology, Animal Biotechnology
Associate Professor Amit Roy Tathagata Choudhuri	M.Sc., Ph.D. M.Sc., Ph.D.	Molecular Biology, Genetic Engineering Virology, Cell Biology
Asst. Professor Nilanjana Das Narottam Dey Jolly Basak Samiran Saha	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc, Ph.D M.Sc, Ph.D	Biochemistry, Bioethics, IPR Biotechnology Biochemistry, Genomics & Proteomics Immunology, Animal Biotech
Botany		
Professor Sudhendu Mandal Sukanta Kr. Sen Samit Ray Kashinath Bhattacharya Nirmalya Banerjee Rup Kumar Kar Narayan Chandra Mandal Swadesh Ranjan Biswas Subrata Mondal	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D.	Plant Taxonomy & Aerobiology Microbiology Phycology Palynology & Environmental Biology Cytogenetics Plant Physiology & Biochemistry Mycology & Plant Pathology Molecular Biology Plant Taxonomy
Associate Professor Chowdhury Habibur Rahaman	M.Sc., Ph.D.	Pharmacognosy
Asst. Professor Sri Bomba Dam Jnanendra Rath Adani Lokho Hema Gupta (Joshi) Surendra Kr. Gond Satish Kr. Verma Nandalal Mondal Soma Chunari Anjalka Roy	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D.	Microbiology Phycology Angiosperm, Taxonomy Plant Ecology Mycology & Plant Pathology Biochemistry Cytogenetics Pteridology Medicinal Plant Biology
Chemistry		
Professor Asim Kumar Das Pranesh Chowdhury Goutam Brahmachari Pranab Sarkar Bhabatosh Mondal Swapan Kumar Chandra	M.Sc., Ph.D., D.Sc. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D.	Inorganic Chemistry Inorganic Chemistry Organic Chemistry Physical Chemistry Inorganic Chemistry Inorganic Chemistry

Associate Professor

Gourab Kanti Das	M.Sc., Ph.D.	Organic Chemistry
Bijoy Krishna Dolui	M.Sc., Ph.D.	Inorganic Chemistry
Adinath Majee	M.Sc., Ph.D.	Organic Chemistry

Asst. Professor

B.C. Bag	M.Sc., Ph.D.	Physical Chemistry
Nazmin Ara Begum	M.Sc., Ph.D.	Organic Chemistry
Manas Ghosh	M.Sc, Ph.D..	Physical Chemistry
Alakananda Hajra	M.Sc., Ph.D.	Organic Chemistry
Smt. Bula Singh	M.Sc.	Physical Chemistry
Md. Motin Seikh	M.Sc., Ph.D.	Inorganic Chemistry
K.C. Bhoumik	M.Sc., Ph.D.	Organic Chemistry
Sri Biswajit Dey	M.Sc	Inorganic Chemistry
Dr. Sudip Kr. Mondal	M.Sc. Ph.D.	Physical Chemistry
Dr. P. Sahoo	M.Sc. Ph.D.	Organic Chemistry

Environmental Studies**Professor**

Smt. Shibani Chaudhury	M.Sc., Ph.D.	Env. Biology & Toxicology
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Associate Professor

Pratap Kumar Padhy	M.Sc., M.Phil., Ph.D.	Env. Sciences
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Asst. Professor (III)

Pulak Kumar Patra	M.Sc., Ph.D.	Earth Sciences
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Asst. Professor (II)

S.Balachandran	M.Sc., M.Phil., Ph.D.	Env. Sciences
Shweta Yadav	M.Sc, Ph.D.	Env. Chemistry

Mathematics**Professor**

Syamal Kumar Samanta	M.Sc., Ph.D	Functional Analysis & Fuzzy Topology
Dulal Pal	M.Sc., M.Phil, Ph.D.	Fluid Mechanics, Atmospheric Science
Santabrata Chakravarty	M.Sc., Ph.D.	Biomathematics
Swapan Raha	M.Sc.,M.Tech, Ph.D.	Adv. Computer Science and Cybernetics/ Bioinformatics
Prasanta Chatterjee	M.Sc., Ph.D.	Plasma Dynamics, Nonlinear mechanics
Prasanta Kumar Mondal	M.Sc., Ph.D.	Biomathematics
Tapas Roy Mahapatra	M.Sc., Ph.D.	Fluid Dynamics

Associate Professor

Madan Mohan Panja	M.Sc., Ph.D.	Dynamical Sys., Wavelet Numerical Analysis, Theory of Diff. Equation
Dibyendu Banerjee	M.Sc., Ph.D.	Complex Analysis
Tarapada Bag	M.Sc., Ph.D.	Fuzzy Functional Analysis/Functional Analysis

Asst. Professor

Subhasis Roy	M.Sc., Ph.D.	Real Analysis
A.K. Bhuniya	M.Sc. Ph.D	Algebra (Theory of Semigroups)
Amar Prasad Misra	M.Sc. Ph.D.	Plasma Physics
Kalyan Hansda	M.Sc.	Algebra
Lakshminarayan Guin	M.Sc.	Biomathematics
Nikhil Paul	M.Sc.	Comp-Science, Modelling in Ecology
Mizanur Rahaman	M.Sc.	Functional Analysis

Physics**Professor**

Taraprasad Chattopadhyay
Somenath Chakravorty
M. Maity
A. Bhattacharya
T.K. Kundu
Pijush Kanti Ghosh
Swapan Mandal
Mrs. Asmita Sengupta

M.Sc., Ph. D.
M.Sc., Ph.D.
M.Sc., Ph. D.
M.Sc., Ph.D.
M.Sc., Ph.D.
M.Sc., Ph. D.
M.Sc., Ph. D.

Electronics
Astrophysics & Cosmology
Particle Physics
Cond. Matt. Physics
Electronics
Particle Physics
Quantum Optics
Cond. Matt. Physics

Associate Professor

Shreekanta Sil
Bikash Chandra Gupta
Ms. Aparna. Saha

M.Sc., Ph. D.
M.Sc., Ph. D.
M.Sc, Ph. D.

Cond. Matt. Physics
Cond. Matt. Physics
Atomic Physics

Asst. Professor

Arani Chakrabarti
S.K. Mandal
Buddhadev Mukherjee
Aditya Saw Mondal
Biswajit Pandey
Amrita Bandopadhyay
Biplab Roychoudhury
Sudipta Das
Subhash Chandra Tudu
Subhasish Roy
R.K. Singha
Swarup Kr. Majee
Anagha Chakraborty

M.Sc., Ph. D.
M.Sc., Ph.D.
M.Sc., Ph.D.
M.Sc., JRF
M.Sc., Ph.D.
M.Sc., Net
M.Sc., Ph.D
M.Sc., Ph.D
M.Sc.
M.Sc.
M.Sc. Ph.D
M.Sc., Ph.D.
M.S., Ph.D.

Cond. Matt. Physics
Cond. Matt. Physics
Nuclear Physics
Astro Physics & Cosmology, Q.F.T
Astro Physics & Cosmology
Atomic & Nuclear Spectroscopy, Laser
Relativity, Cosmology
Astro Physics & Cosmology
X-ray Crystallography
Radio Physics & Electronics
Condensed Matter Physics

Nuclear Physical Specialization

Statistics**Professor**

Kashinath Chatterjee
Sudhansu S. Maiti

M.Stat., Ph.D.
M.Sc., Ph.D.

Design of Experiments
Reliability Analysis

Asst. Professor

Soumalya Mukhopadhyay
Ms. Saran Ishika Maity
Tirthankar Ghosh
A. Chakraborty
S. Rana

M.Sc
M.Sc
M.Sc
M.Sc P.hD.
M.Sc

Biostatistics
Multivariate and Time Series Analysis
Multivariate and Time Series Analysis
Statistics
Statistics

Zoology**Professor**

Shelley Bhattacharya
Samir Bhattacharya (Emeritus)
Arun Kumar Ray
Panchanan Nath

M.Sc., Ph.D.
M.Sc., Ph.D.
M.Sc. Ph.D.
M.Sc., Ph.D.

Environmental Toxicology
Molecular Endocrinology & Signalling
Fish Biology and Fisheries
Reproductive Physiology of fish
and Fish Endocrinology
Soil Ecology and Ecotoxicology
Environmental Endocrinology
Parasitology, Nematology and
Neurobiology
Ecological Modeling
Fisheries and Fish Biology
Fish Biology

Vadakepuram Chacko Joy
Soumen Kumar Maitra
Santi Prasad Sinhababu

M.Sc., Ph.D.
M.Sc., Ph..D.
M.Sc.,Ph.D.

Santanu Roy
Dipak Kumar Mandal
Samar Kumar Saha

M.Sc., Ph.D.
M.Sc., Ph.D.
M.Sc., Ph.D.

Ansuman Chattopadhyay	M.Sc., M.Phil.,Ph.D.	Radiation Genetics
Associate Professor		
Larisha M. Lynden	M.Sc., Ph.D.	Parasitology
Sudipta Maitra	M.Sc., Ph.D.	Fish Physiology
Asst. Professor		
Surya Kumar Saikia	M.Sc, Ph.D.	Aquaculture
Rakesh Kundu	M.Sc., Ph.D.	Toxicology
Sutapa Mukherjee	M.Sc., M.Phil, Ph.D	Biochemistry & Molecular Endocrinology
<u>Computer and System Science</u>		
Professor		
Paramartha Dutta	M.Stat. M.Tech, Ph.D.	Soft Computing, Pattern Recognition, Mobile ad-hoc network, Image Processing
Balararm Bhattacharya	M.Sc., Ph.D., M.Tech.	Data Mining, Image Processing, Bio-Infr.
Aloke Kumar Datta	M.Sc., Ph.D.,	Approximation Algorithms,VLSI Routing Algorithms, Computational Molecular Biology
Utpal Roy	M.Sc., Ph.D.,	Quantum Computing, Image Processing : Document & Colour
Associate Professor		
Tathagato Mukhopadhyay	M.Sc.M.E.	Mobile Communication, Image Processing
Asst. Professor		
Kakali Datta	B.Sc.B.Tech., M.E.	Quantum Cellular Automata
Subhasis Banerjee	M.Sc., M.Tech.	Mobile Communication
Sanchita Pal Choudhuri	M.Sc., M.Tech.	Discrete Mathematics, Soft Computing
Madhusudan Paul	M.Sc., M.Tech.	Computational Systems Biology,
Debaditya Barman	B.E.,M.E	Machine Learning & Data Mining
<u>Integrated Science</u>		
Professor		
Sanghamitra Raha	M.Sc. Ph.D	Molecular Cell Biology, Signal Transduction
Associate Professor		
Subrata Sinha	M.Sc. Ph.D	Spectroscopy
Sushanta Ghosh	M.Sc. Ph.D	Physical Chemistry
Asst. Professor		
Mahasweta Nandi	M.Sc. Ph.D	Inorganic Chemistry, Material Science
Umesh Kr. Singh	M.Sc. M.Phil. Ph.D	Hydrogeology, Water & soil pollution
Swapan Kumar Pandit	M.Sc. M.Phil, Ph.D	Computational fluid dynamics
Nilanjan Bandyopadhyay	M.Sc. Ph.D.	Mathematical Physics ,High Energy Physics
<u>Education</u>		
Professor		
Benudhar Chinara	M.A., M.Phil., Ph.D	Peace & Value Education, Elementary Edu.
Sambhu Charan Roy	Ph.D, B.Ed., M.PE	Physical Edn. NIS, Ph.D.
Rajarshi Roy	M.A, M.Ed, Ph.D	Educational Sociology
Khanu Charan Sahoo	M.A.,M.Phil.,Ph.D	Education
Associate Professor		
Biplab Kr. Chattopadhyay	M.Sc., Ph.D	Agriculture
Asheesh Srivastava	M.Sc., M.Ed., Ph.D	Mathematics
Nilratan Roy	M.A., B.Ed., Ph.D	E.P.M., Curriculam Development
Shyamsundar Bairagya	M.A., Ph.D	Econometrics & Statistics
Asst. Professor		
Partha Pratim Sikdar	M.Fine	Fine Arts, Sclupture

Smt. Trishna Banerjee Sanat Kumar Rath Prohlad Ray Chitralakha Maiti Ms. Sarita Anand Md. Shaheer Siddiquie Prosenjit Saha	M.Mus M.A., M.Ed., Ph.D M.A., B.Ed. Ph.D M.Sc. M.A.,M.Ed. M.A.,M.Ed. M.A, NET	Rabindra Sangit, Traditional Bengali Song. Education, Philosophy Bengali Education, Sociology & Folk Edu. Geography Education English/Economics Geography Education, Women Empowerment Educational Psychology Educational Psychology Special Education
Shilpi Ghosh Ms. Sharmila Yadav Umakant Prasad	M.A, Ph.D M.Sc. M.Ed. M.Phil. M.A., M.Ed.	
<u>Physical Education</u>		
Professor		
Brajanath Kundu Sagarika Bandyopadhyay Sumanta Kumar Mondal Samiran Mondal	B.Sc.,M.P.Ed., Ph.D. B.Sc., M.P.Ed., M.Phil.,Ph.D, M.P.E., M.Phil., Ph.D. M.Ed.(Physical Education),Ph.D	Exercise Physiology Exercise Physiology Kinesiology & Biomechanics Phycho-Physiology Cert. in Hockey, Yoga
Associate Professor		
Ashok Kumar Goon Sudarshan Biswas Maheshaswata Khetmalis	M.P.E, Dip. in Coaching M.P.E., Ph.D. M.P.E., Ph.D.	Exercise Physiology Exercise Physiology & Football Sports Psychology & Gymnastics
Asst. Professor		
Ratnesh Singh	M.P.E., M.Phil Diploma in Coaching (Cricket) M.P.E, Ph.D. M.P.E, M.Phil, Ph.D B.A. B.P.Ed., M.Phil	Biomechanics & Cricket Ex & Sports Physiology Volley Ball Ex & Sports Physiology
Sentu Mitra Kallol Chatterjee Abhijit Thander		
<u>Sangit Bhavana</u>		
Professor		
Indrani Mukherjee Madhabi Ruj (Ghosh) Swastika Mukherjee Kaberi Kar Basabi Mukherjee Sunil Kabiraj Buddhadev Das Sabyasachi Sarkhel K. Sunita Devi Swapan Ghosh Tarak Sengupta	M.Mus., Ph.D. M.Mus., Ph.D. B.A. M.A. M.Phil. B.Com. M.Mus. M.A., Ph.D. B.A., Dip. in Manipuri Sangeet Ratnakar (M.Mus.) M.A Dip. in Photography	Rabindra Sangit Rabindra Sangit Rabindra Sangit Dhrupad Khayal & Thumri Esraj Esraj Sitar Manipuri Dance Tabla, Pakhawaj Drama & Theatre Arts, (Acting/Direction), Photography Kathakali Dance
T.S. Vasuni	Proficiency in Art	
Associate Professor		
Prasanta Kumar Ghosh Nikhilesh Chowdhury Y. Hemanta Kumar	B.Sc., B.Ed., M.Mus. M.Mus., Ph.D. B.A., P.G.D. (Ras) Diploma Choregraphy M.Mus.	Rabindra Sangit Sitar & Musicology Manipuri Dance
Malay Sankar Chatterjee		Rabindra Sangit
Asst. Professor Mohan Kumaran P.	M.A., B.Ed.	Kathakali Dance

Sanghamitra Gupta	P.G. Dip. (Sociology)	Rabindra Sangit
Sumit Basu	Dance	
Basanta Mukherjee	M.A. Ph.D	Manipuri Dance
Monojit Mallick	M.Mus.	Kathakali Dance
Nikhil Ranjan Roy	M.A.	Classical Vocal (kheyal)
	Sangit Prabhakar &	Tabla
Sandip Ghosh	Visarad, Gurukul Training	
	B.Com., Sangit Prabhakar	Tabla & Pakhawaj
	Sangit Bivakar	
Mousumi Roy	M.A, Ph.D.	Kheyal
	H.C.M (Vocal)	
Tapas Chatterjee	M.Mus.	Hindusthani Classical Music (Esraj)
Smt. Chaya Rani Manda	M.A.Phil.,	Oriya & Classical Vocal
		Music (H.C.Y.)
Ranjit Das	M.Mus.	Classical Music
Smt. Eshita Chakroborty	M.Mus., M.Phil.	Classical Music
Rajesh Menon N	M.Mus.	Kathakali Dance
Amit Kumar Verma	M.Mus.	Classical Music
P. Mukunda Kumar	M.Mus.	Kathakali Dance
Smt. Arpita Dutta (Das)	M.Mus.	Rabindra Sangit
Suchindranath Puthan	M.A in Kathakali	
Sri Rajesh K V	Ph.D	
Nandita Basu Sarbadhikari	M.MUS	Rabindra Sangit
Manani Mukhopadhyay	M.MUS	Rabindra Sangit
Saptarshi Roy	M.MUS	Rabindra Sangit
Surajit Roy	M.A	Rabindra Sangit
Biplab Biswas	M.A., Ph.D.	Drama & Theatre Arts
Amartya	M.A., Ph.D.	Drama & Theatre-Arts
Mrityunjoy Kr. Prabhakar	M.A.,	Drama & Theatre-Arts
Gyanabati Devi	B.A.,	Manipuri Dance Specialization
Ranjani Ramachandran	M.A., Ph.D.	Vocal
Accompanist		
K. Premjit Singh	P.G. dip. in Mridanga	Pung (Khol)
N.P. Sankarnarayanan	Proficiency in Art	Kathakali Chanda
	P.G. Katha-Kali	
Animesh Chandra	Gurukul Training	Esraj
Alok Banerjee	M.Mus.	Esraj
Tapan Kumar Roy	H.S., Sangit Pravakar	Tabla
	& Ratnakar	
SitaramDas	B.Sc.	Tabla
Biswajit Sahu	M.A.	Tabla
Joydeb Golder	M.A., M.Mus	Tabla
Rajan P.	Dip. in Maddalam	Maddalam
Chanchal Nandi	M.Mus.	Tabla
Apurbalal Manna		Tabla
Kamalesh Roy	M.Mus	Tabla
Kala-Bhavana		
Design		
Professor		
Sisir Sahana	B.F.A, M.F.A	Glass
Ashok Bhowmik	5 Yrs. Course in Dip. in	Painting
	Painting	
Goutam Kumar Das	B.Fine	Ceramics

Associate Professor

Sakshi Gopal Das	Dip. in Fine Arts	Textile Design
Prasun Kanti Bhattacharya	B.Sc.(Hons.), Diploma in Painting	Painting & Textile Design
Debashish Mahalanobish	D.H/L Tech., P.D.Textile Chemistry, Dip.H/L.Co.Op. Management	Handlooms and Textile Chemistry
Miss. Banatanwi Das Mahapatra	M.F.A	Textile in Design

Asst. Professor

Krishnendu Bag	B.Fine, Textile Design	Design (Textile)
Debasish Das	MVA in Ceramic	Ceramic Design
Ms. Bhavna Khajuria Basumatary	MFA	Ceramic Design
Archana Das	MFA	Ceramic Design
Madi Linda	BA, BFA,MFA	Ceramic Design

Graphic Art**Professor**

Nirmalendu Das	M.F.A., Ph.D.	Graphic Art.
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Associate Professor

Ajit Seal	Post Diploma Graphic Art	Graphic Art.
Arpan Mukherjee	M.F.A.	Graphic Art

Asst. Professor

Salil Sahani	M.F.A.	Graphic Art
Uttam Kr Basak	M.F.A.	Graphic Art
Moirangthem Thomas Singh	M.V.A.	Graphic Art
Prashant Phirangi	M.F.A.	Graphic Art

History of Art**Professor**

R.Siva Kumar	M.Fine	Contemporary Indian Art, Renaissance and Post Renaissance art of the West
Sanjoy Kumar Mallik	M.F.A, Ph.D.	Indian Art Ancient & Contemporary

Associate. Professor

Meghali Goswami	M.F.A, Ph.D.	
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Asst. Professor

Anshuman Dasgupta	M.F.A	Contemporary Art (Indian & Western)
Soumik Nandi Majumdar	M.F.A	Indian Art (Traditional Art & Craft)
Rishav Gandhar Narzary	MFA	Modern western Art

Painting**Professor**

Nandadulal Mukhopadhyay	B.Fine, M.F.A.	Painting & Mural
Dilip Mitra	M.F.A	Painting
Sitansu Mukhopadhyay	M.F.A.,Ph.D.	Painting

Associate Professor

Arghya Priya Majumdar	M.Fine	Painting
Sanchayan Ghosh	M.F.A	Painting
Rajarshi Biswas	M.F.A	Painting

Asst. Professor

Ambaris Nandan	M.V.A.	Painting
Prasanta Sahu	M.F.A	Painting
Sk. Sahajahan	Adv. Dip in Painting	Painting
Dharitri Boro	M.F.A	Painting

Sculpture**Professor**

Pankaj Panwar	M.F.A.	Sculpture
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Associate Professor

Sutanu Chatterjee	M.F.A.	Sculpture.
Matilal Kalai	M.F.A.	Sculpture

Asst. Professor

Kamal Dhar	M.F.A.	Sculpture
Rishi Barua	M.F.A.	Sculpture
Amit Kumar Dhara	M.F.A.	Sculpture
Lawanshaibha Kharmawlong	M.F.A.	Sculpture
Sajad Hamdani	M.F.A.	Sculpture

Palli Samgathana Vibhaga**Palli Charcha Kendra****Professor**

Sankar Majumder	M.Sc,Ph.D.	Planning and Public Economics
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Associate Professor

Santanu Rakshit	M.Sc,Ph.D.	Agrarian Economy, International Trade, Socio-Economic Differentiation
M. Alankara Massilamani	M.A.,M.A.,Ph.D.	Rural Development

Rathindra Nath Pramanik	M.A.Ph.D.	Agricultural Economy/Labour Economy
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Rural Extension Centre**Professor**

Amit Kumar Hazra	M.Sc.(Ag.), Ph.D.	Rural Economics & Rural Development
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Associate Professor

Rafiqul Islam	MA(SW), Ph.D	E l e m e n t a r y & N o n f o r m a l Education.Population Education
Sujit Kumar Pal	M.A. Ph.D.	Rural Development

Asst. Professor

Subhrangsu Santra	MA, Ph.D	Rural Development
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Silpa Sadana**Professor**

Raj Kumar Konar	B.Arch, M.Des.	Architecture, Furniture, Interior & Product Design
Smt. Padmini Balaram	Ph.D	Textile

Associate Professor

Vishal C. Bhand	B.F.A, M.Sc (Textiles)	Design Theory, Process & Painting
Arup Mukherjee	B.Sc.(Tech)	Textile Chemistry

Sumitabha Pal	M.F.A.	Sculpture
Santanu Kr. Jena	BFA & MFA in Pottery & Ceramic Adv. Course in Ceramic, China	Ceramic & Glass

Arabinda Mondal	B.Tech M.Tech. Ph.D (Tech)	Ceramic
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Asst. Professor

Amrita Kumar Das	Dip. in Wood Work	Wood Work
Madhusudan Hazra	Dip. in Handloom Weaving	Handloom weaving
Sanjay Kumar Goswami	B.Sc., Paper Tech.	Paper making
Smt. Shyamali Sengupta	B.Sc.(Hons.), Dip. in Wood work	Wood Work
Arun Kumar Sharma	B.F.A & M.F.A.Pot. & Cer.	Pottery-Ceramic

Prabir Kumar Choudhuri Ashis Mitra	M.Sc.(Tech.) B.Sc. (Tech) M.Sc. (Tech)	Mechanical Processing Textile Mechanical Processing
Sankar Roy Maulik Ashis Ghosh Naba Kumar Majhi Deb Kumar Das Mrinal Kanti Sarkar Smt. Sukanya Chatterjee Smt. Jaya Boro Manoj Kumar Prajapati	M.Tech.Ph.D, M.F.A. B.F.A., M.F.A. B.Com., Dip. in Woodwork B.F.A. (Design) B.Sc., M.Sc.(Wood Sc.) M.F.A M.F.A.	Textile Chemistry Wood-work Interior Accessories Woodwork Textile Design Wood SC. & Tech. Painting, Pottery, Ceramic Design, Pottery & Ceramic
<u>Social work</u>		
Professor		
Kumkum Bhattacharya	M.A.(Psychology),Ph.D.	Culture Personality
Asok Kumar Sarkar Prasanta Kumar Ghosh	M.A. (SW), Ph.D. M.A.(SW), Ph.D.	NGOs,Health care & Development HRD,HRM,AID/HIV History, Philosophy, concept of social work Family & Child Welfare Health & Mental Health
Debotosh Sinha Manju Mohan Mukherjee	M.A.(SW), M.Phil., Ph.D. M.A.(SW), Ph.D.	
Associate Professor		
Swapan Hazra Sanjoy Roy Ram Prasad Das Paromita Roy	M.A.(SW) M.A.(SW),M.Phil,Ph.D M.A.(SW), M.Phil. M.Sc (Economics)	HRD, Welfare Administration Community Development Crime and Correctional Administration Development Economics, social Development
Asst. Professor		
Sudeshna saha Neelmani Jaysawal Josheph Varghese Sukumar Pal	M.A. (SW) M.A M.A, M.Phil M.A, Ph.D	Medical & SW Psychiatric Social Work Community Organization Community Development Weaker Section,Social Defence and Correction
Ms. Subhashree Sanyal Sasmita Patel Anupam Hazra Ms. Moumita Laha	M.A(Social Work) MSW, M.Phil MSW, Ph.D MSW	Medical & Psychiatric Social Work Women Empowerment Community Development Social Policy & Planning
<u>Palli Siksha Bhavana</u>		
<u>Crop Improvement,</u>		
<u>Horticulture and</u>		
<u>Agricultural Botany</u>		
Professor		
Paresh Chandra Kole	M.Sc. (Ag.), Ph.D	Plant Breeding
Associate Professor		
Amitava. Paul Goutam Mondal Snehasish Chakravorty	M.Sc.(Ag.), Ph.D M.Sc. Ph.D M.Sc.(Ag.), Ph.D	Genetics & Plant Breeding Pomology Olericulture & Floriculture
Asst. Professor		
Joydeep Mandal N. R. Chakraborty Prahald Deb	M.Sc.(Ag.), Ph.D M.Sc.(Ag.), Ph.D M.Sc(Hort), Ph.D	Olericulture Genetics & Plant Breeding Pomology & Post-harvest Technology

Plant Protection**Professor**

Nakul Chandra Mandal	M.Sc.(Ag.), Ph.D	Post harvest Pathology, Root Pathology and Mushroom & Fungal Plant Pathology
Kanchan Baral	M.Sc.(Ag.),Ph.D	Economic Entomology
Hirak Chatterjee	M.Sc.(Ag.), Ph.D	Economic Entomology

Associate Professor

R. Nath	M.Sc.(Ag.), Ph.D.	Plant Virology
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Asst. Professor

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Bholanath Mondal	M.Sc.(Ag), Ph.D	Plant Bacteriology
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**Agricultural Extension,
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Associate Professor

Debashis Sarkar	M.Sc.(Ag.), Ph.D	Agril. Economics
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Asst. Professor

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Binoy Kumar Saren	M.Sc.(Ag.), Ph.D.	Water Mangement
Goutam Kumar Ghosh	M.Sc.(Ag.), Ph.D.	Soil Chemistry & Soil Fertility

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Reader

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Asst. Professor

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Haradhan Soren	M.A	
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Jotirmoynath Roul	M.Sc, B.Ed	
Music		
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Mousumi Das	M.Music, B.Ed.	
Karunamoy Majumdar	M.Music	
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Sujata Mitra	B.Mus.(Manipuri)	
Debabrata Mukherjee	Nritya & Sangeet Visharad	
Arts & Crafts		
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Life Science Chhatrapati Murmu Sunil Kumar Mondal Ipsa Bandyopadhyay Lopamudra Sen	M.Sc.(Botany), B.Ed. M.Sc. Ph.D M.Sc., Ph.D M.Sc., B.Ed.	Life Science (Zoology)
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Sanskrit/Hindi Anindita Agarwala Sonali Gangully Ms. Alpana Dhibar	M.A., B.Ed. M.A,B.Ed., Ph.D. M.A., B.Ed	
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Home Science Chaitali Ghoshal	M.Sc., Diploma(Diet)	
Mrinalini Ananda Pathsala Chhayaranjani Chakraborty Srilekha Chattopadhyaya Smt. Bani Biswas Priya Halder Sutapa Pramanik Majumdar	B.S.W, M.S.W. M.A. M.Mus., P.P. & PPT	
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Metal Craft Chitra Bhanu Giri (Instructor)	Diploma in Engineering	
Physical Education Biswajit Bir	B.P.E, M.P.E	
Philosophy Ruma Das Hazra	M.A, B.Ed,	

Statistics Anil Baran Mondal	M.Sc., Ph.D, MCA	Operations Research & Approximation algorithms
Political Science Dipali Ghosh	M.A, M.Phil	Contemporary India, Society & Politics
Siksha Satra Jayanta Kr. Bhattacharya	M.Sc,Ph.D, B.Ed,	X-ray & Crystallography
Bengali Srinivas Ghosh Smt. Siuli Sinha Md. Mozharul Hamid Smt. Nibedita Saha Iqbal Zahangir	M.A.,B.Ed. M.A., Ph.D. M.A.,B.Ed M.A., B.Ed M.A., B.Ed. M.Ed.	19 th Century Bangla Lit. Prachin Bangla Sahitya 19 th Century Bangla Lit. Teacher Education
English Smt. Gargi Ghosh Asim Kumar Majumdar Smt. Mitali De Sarkar Smt. Achina Majumdar Smt. Tamali Majumdar Dibyendu Mondal Girish Chandra Dehury Smt. Tripti Ghosh	M.A., B.Ed.,Ph.D. M.A., B.Ed, PGDTE M.A, B.Ed, M.A.,B.Ed, Cer. in French M.A. PGDCE (Hyderabad) M.A., B.Ed. M.A., B.Ed.	Short Stories & Comparative Lit. ELT ELT English ELT & Linguistics ELT & Linguistics
Geography Smt. Tripti Ghosh Smt. Gargi Ghosh Avik Ghosh	M.A., B.Ed. M.A, B.Ed. M.A.	Dynamic Geomorphology Population Geography
History Soumen Sengupta Debabrata Barat	M.A., B.Ed. M.A., B.Ed, MEd.	18th Century in Indian History 18th Century Indian History & Creativity History of Art
Life Science Rituparna Char Krishnendu Dey Gautam Saha	M.Sc. B.Ed. M.Sc. B.Ed. M.Sc. B.Ed. M.A,	Plant Anatomy Pollination Biology Environment Science & Teacher Edu.
Mathematics Sandip Kr. Bhakat Gopinath Mondal Ganesh Mondal Smt. Jayashree Saha	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., B.Ed. M.Sc., B.Ed.	History of Mathematics & Math. Edu. Pure Mathematics Applied Mathematics Bio Mathematics
Statistics Rudra Prasad Sinha	M.Sc, B.Ed, M.A,	Statistics
Physics Smt. Shampa Bhutty (Roy) Parthasarathi Chatterjee Tirthasalil Dey	M.Sc., B.Ed. M.Sc., M.Ed. M.Sc.	Solid State Physics Multimedia X-ray & Crystallography
Chemistry Arup Bhattacharya Pradip Soren	M.Sc., B.Ed., Ph.D. M.Sc. B.Ed.,	Physical Chemistry Inorganic Chemistry
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Sanskrit Smt. Anandamoi Mondal	M.A., B.Ed., Ph.D.	Kavya

Smt. Kanchan Dasgupta	M.A., B.Ed.	Kavya
Dance Smt. Madhuri Sinha	Dip. in Music & Dance	Dance
Electric Shyamalendu Banerjee	Dip. in Elec. Eng.	Power Station & Sub-Station
Music Ramendranarayan Sinha Durga Charan Majumdar Rajatmoy Chattopadhyay	B.Sc. M.Mus. M.A.	Sangit Prabhakar Classical & Rabindra Sangeet Rabindra Sangit
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Tabla Ranendranarayan Sinha	B.Sc., Sangeet Prabhakar Sangeet Visharad	Benaras & Lucknow Gharana
Hindi/Sanskrit Smt. Sudha Gupta Priya Pathak	M.A., B.Ed, Ph.D, M.A., B.Ed, Net	Poetic Language
Weaving Smt.Purnalakshmi Ghosh	B.A., Certificate Course in Weaving	Weaving
Painting Biswadip Das Sudhi Ranjan Mukherjee	MFA M.A	Painting Painting
Physical Education Smt. Vandana Hazra Somnath Mehana	MPE B.P.Ed.	Athelitics Football
Political Science Sumanta Das	M.A. B.Ed.	
Santosh Pathsala Subhrojyoti Dutta Sudipta Sen Srinibash Anjali Roy Gopinath Mondal Suman Chakraborty	M.Sc. M.A. B.Ed. M.A., B.Ed. M.Sc. B.Ed. M.Sc. Ed. M.A. B.Ed.	

Member of the Samsad (Court)

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Visva-Bharati</p> <p>4. Prof. Sabujkoli Sen
Director of Studies, Educational
Innovations and Rural Reconstruction
Visva-Bharati</p> <p>5. Prof. Tapati Mukherjee
Director of Culture and Cultural Relations
Visva-Bharati</p> <p>6. Dr. (Col) M.M. Mitra
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Visva-Bharati</p> <p>7. Adhyaksha
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Vidya Bhavana
Visva-Bharati</p> <p>9. Adhyaksha
Siksha-Bhavana
Visva-Bharati</p> <p>10. Adhyaksha
Kala Bhavana
Visva-Bharati</p> <p>11. Adhyaksha
Sangit Bhavana
Visva-Bharati</p> <p>12. Adhyaksha
Patha Bhavana
Visva-Bharati</p> <p>13. Adhyaksha
Palli Siksha Bhavana
Visva-Bharati</p> | <p>14. Adhyaksha
Palli Samgathana Vibhaga
Visva-Bharati</p> <p>15. Adhyaksha
Vinaya Bhavana
Visva-Bharati</p> <p>16. Adhyaksha,
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Department of Hindi
Visva-Bharati</p> <p>24. Head
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Visva-Bharati</p> <p>26. Head
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Visva-Bharati</p> <p>27. Head
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Visva-Bharati
29. Head
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- Vidya-Bhavana**
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31. Head
Department of History
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32. Head
Department of A.I.H.C. & A
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33. Head
Department of Geography
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34. Head
Department of Philosophy & Religion
Visva-Bharati
35. In-Charge, Centre for Journalism and Mass
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36. Head
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38. Head
Department of Chemistry
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39. Head
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40. Head
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Visva-Bharati
41. Head
Department of Botany
Visva-Bharati

42. Head,
Department of Statistics
Visva-Bharati
43. Head
Computer & System Sciences
Visva-Bharati
44. Head
Centre of Bio-technology
Visva-Bharati
45. Head
Centre for Environmental Studies
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Kala-Bhavana

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46. Head
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Visva-Bharati
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50. Head
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96. Prof. Swapan Kumar Ghosh
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Appendix-G

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