

## Common Instrumentation Facility of Integrated Science Education and Research Centre



A view of the laboratory facilities of Integrated Science Education and Research Centre

### Brief descriptions of the instruments housed in this facility

Fourier Transform Infra-Red Spectrophotometer  
(Make: Shimadzu, IRAffinity-1S WL)  
It is used to study and identify chemical substances or functional groups in solids and liquids.



Thermal Analysis System-Simultaneous TG-DTA/DSC (Make: TA, Discovery SDT 650)  
It is used for thermal analysis of samples in various modes.



High Temperature Tube Furnace (Make: Carbolite, STF 15/180)

It is used to prepare samples by pyrolysis under gas flow.



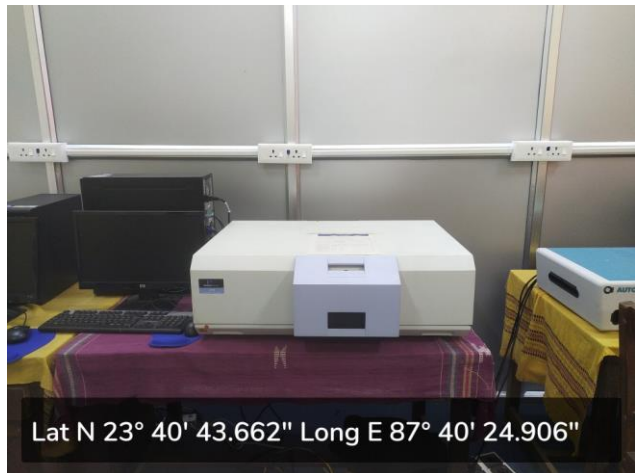
Cyclic Voltammeter (Make: Metrohm, AUTOLAB PGSTAT)

It is used to measure the current that develops in an electrochemical cell under conditions where voltage is in excess of that predicted by the Nernst equation.



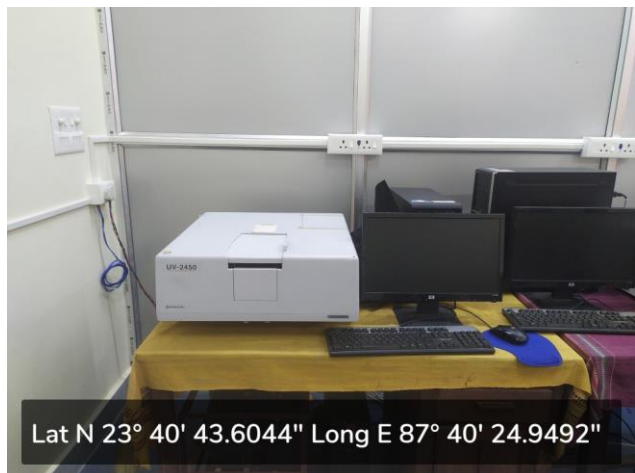
Fluorescence spectrometer (Make: Perkin Elmer LS 55)

It is used to analyze fluorescence from samples.



UV-Visible spectrophotometer (Make: Shimadzu UV-2450)

It is used to analyze the interaction of samples with electromagnetic radiation in UV and visible region.





BOD Incubator (Make: LABX):

This is used for constant temperature incubation as well as microbial culture.



PCR (Polymerase Chain Reaction) Machine ( Make: Agilent Technologies):

This machine is used for DNA amplification.



Centrifuge (Make: eppendorf): This is used for separation of suspended particles of immiscible liquids using centrifugal force.



# Common Instrumentation Facility of DST-PURSE



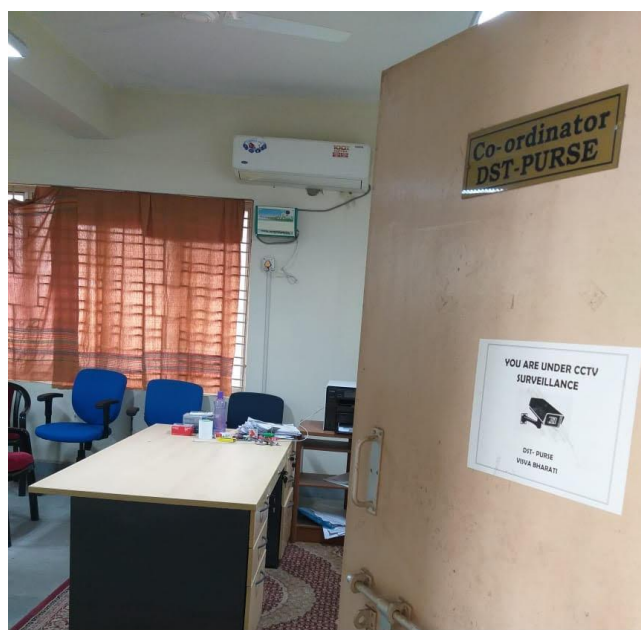
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Altitude 13.2 meters  
Friday, 29-01-2021



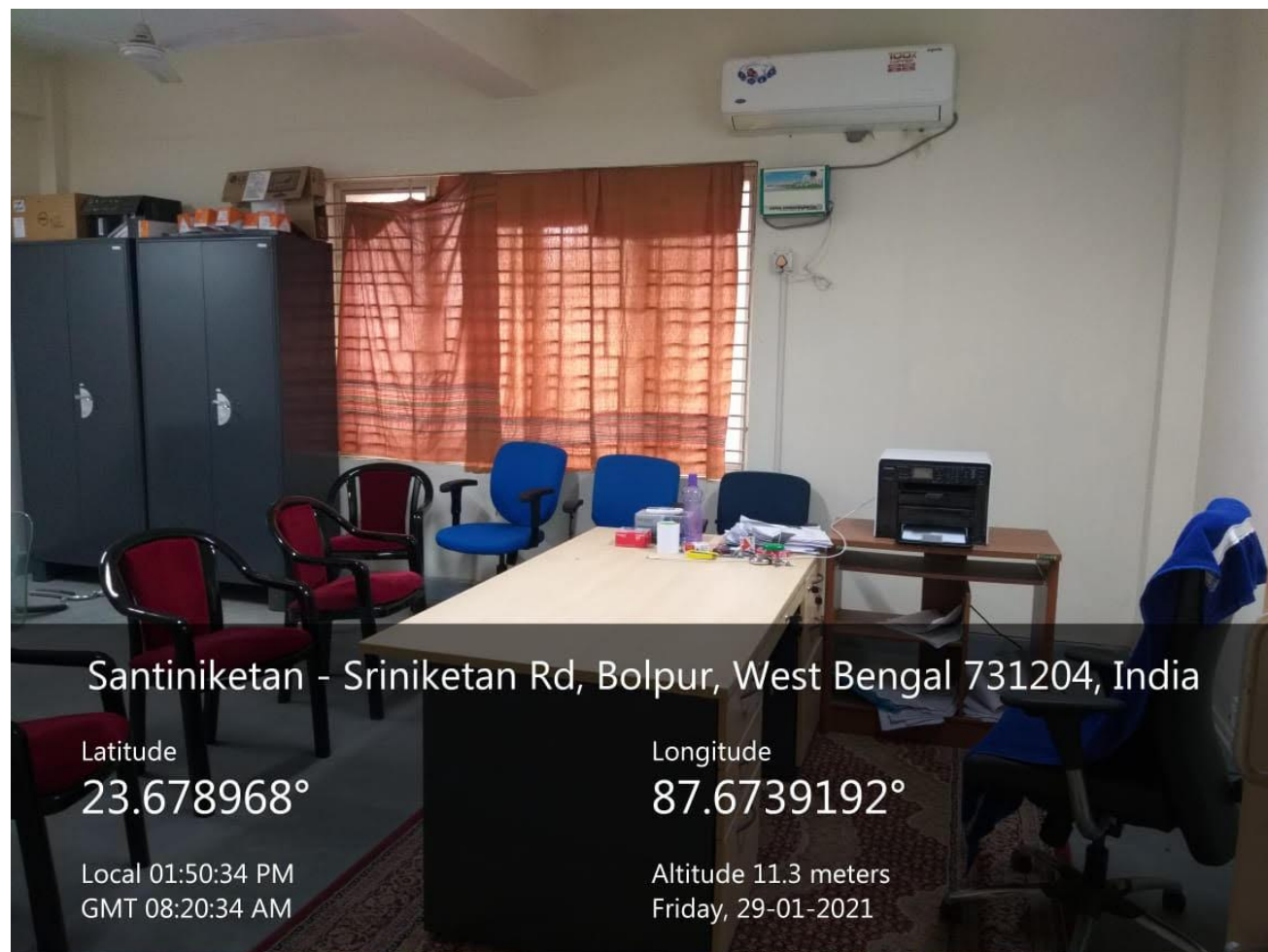
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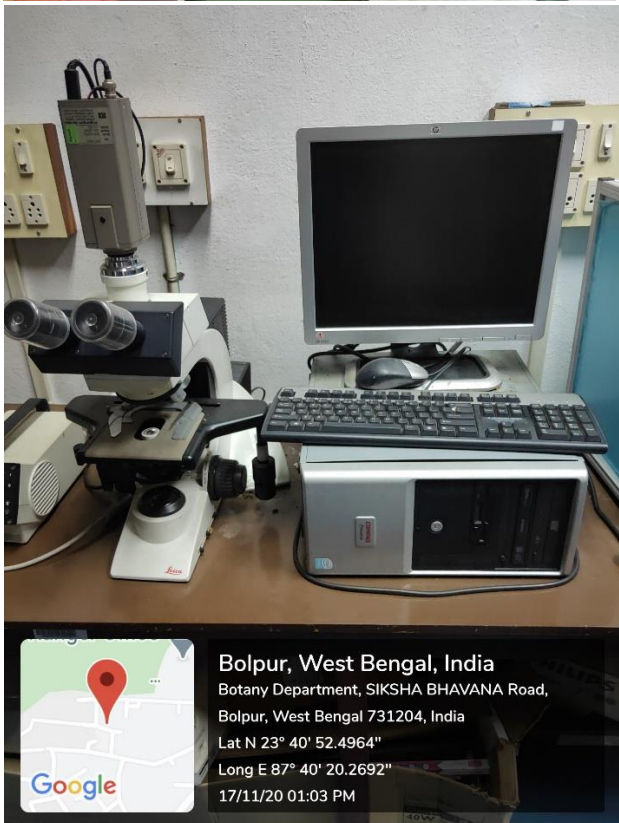
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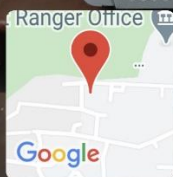
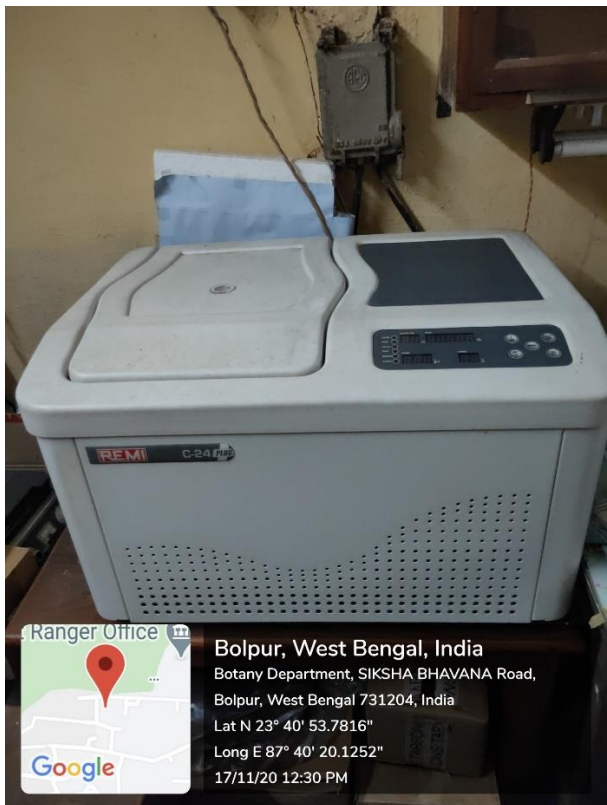
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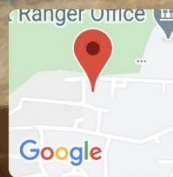
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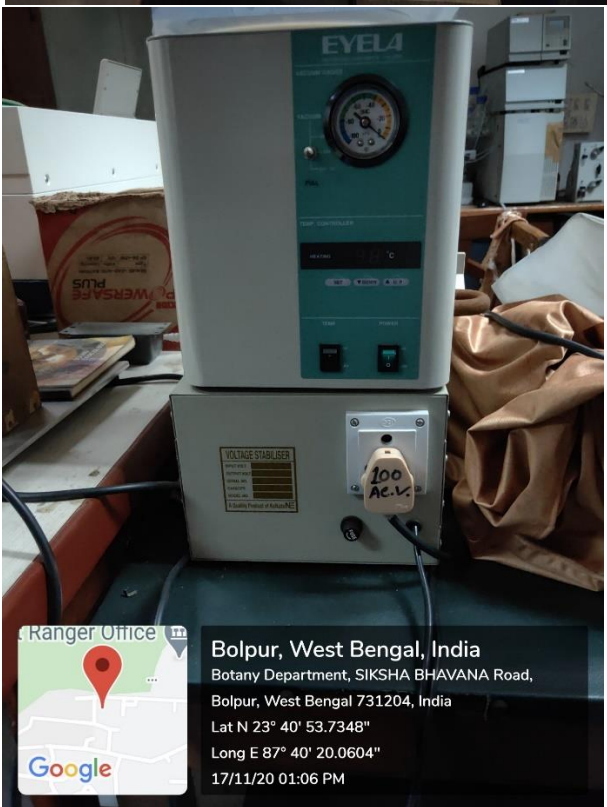




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Bolpur, West Bengal 731204, India  
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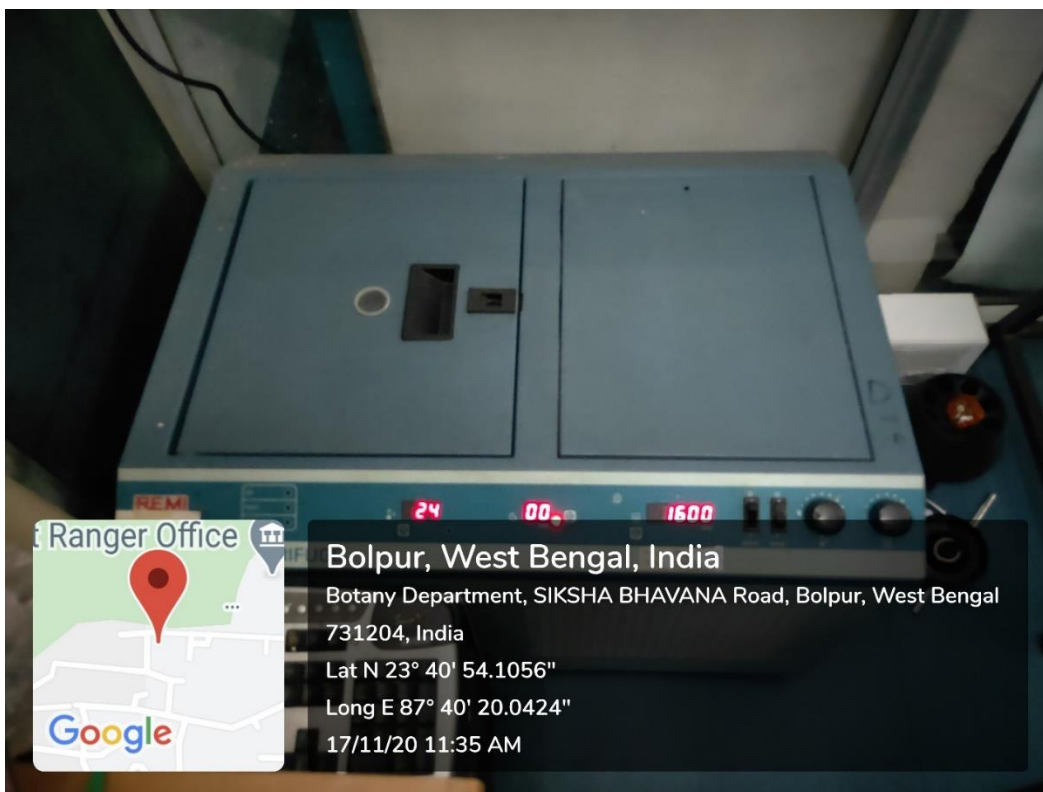


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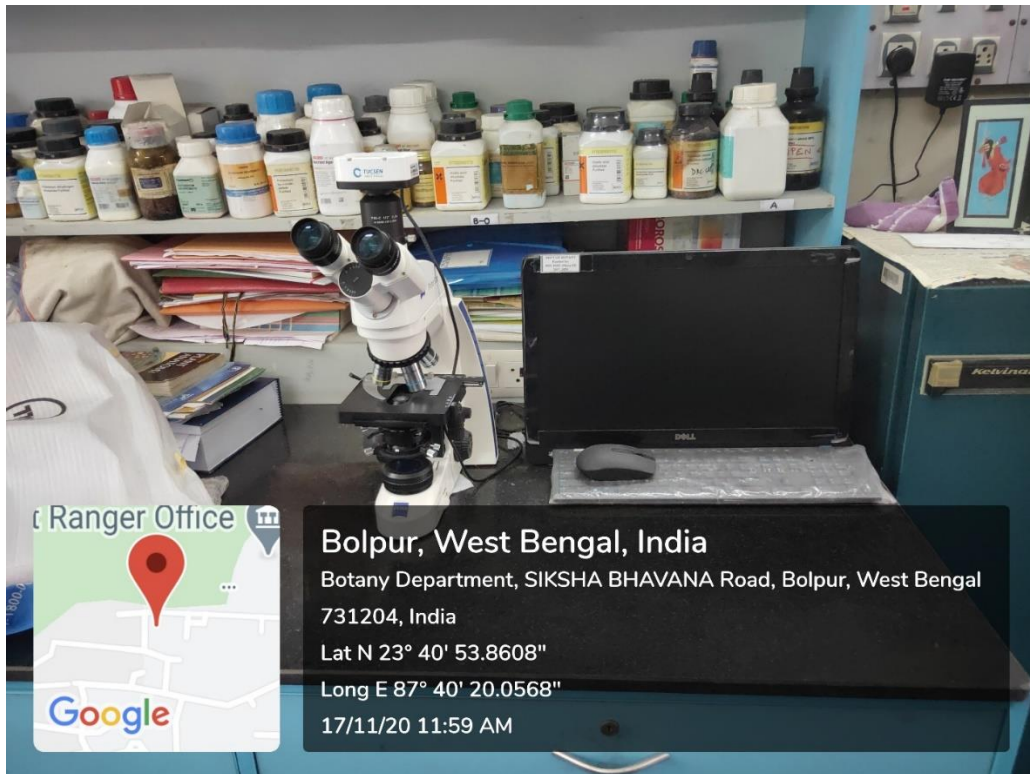


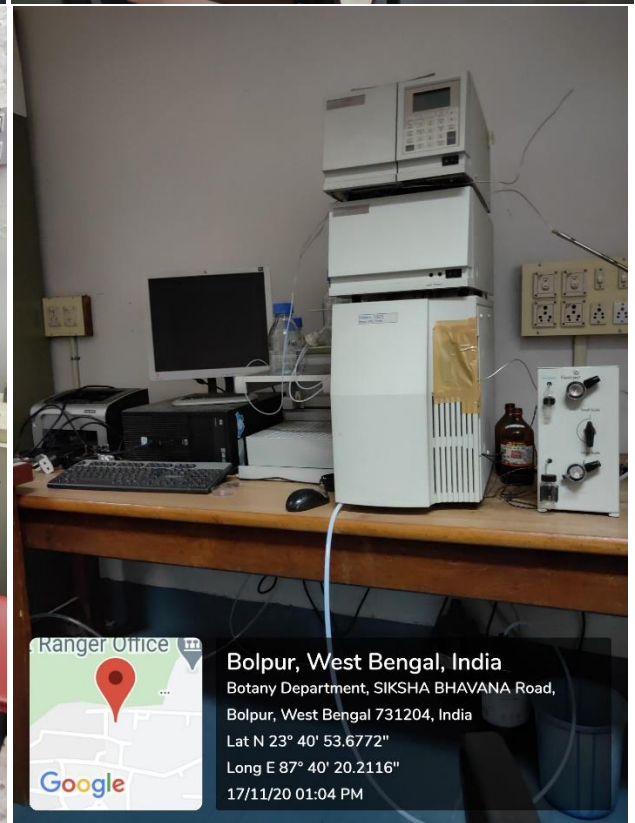
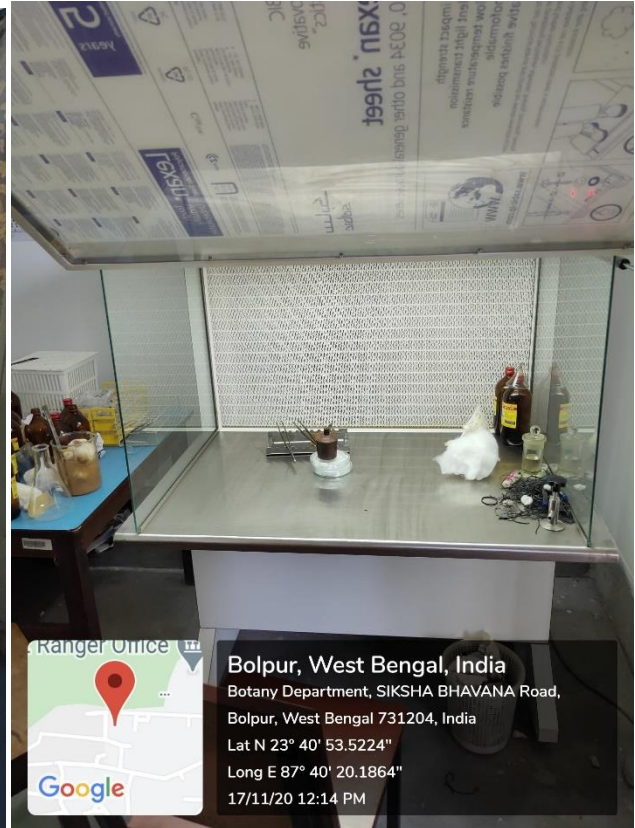
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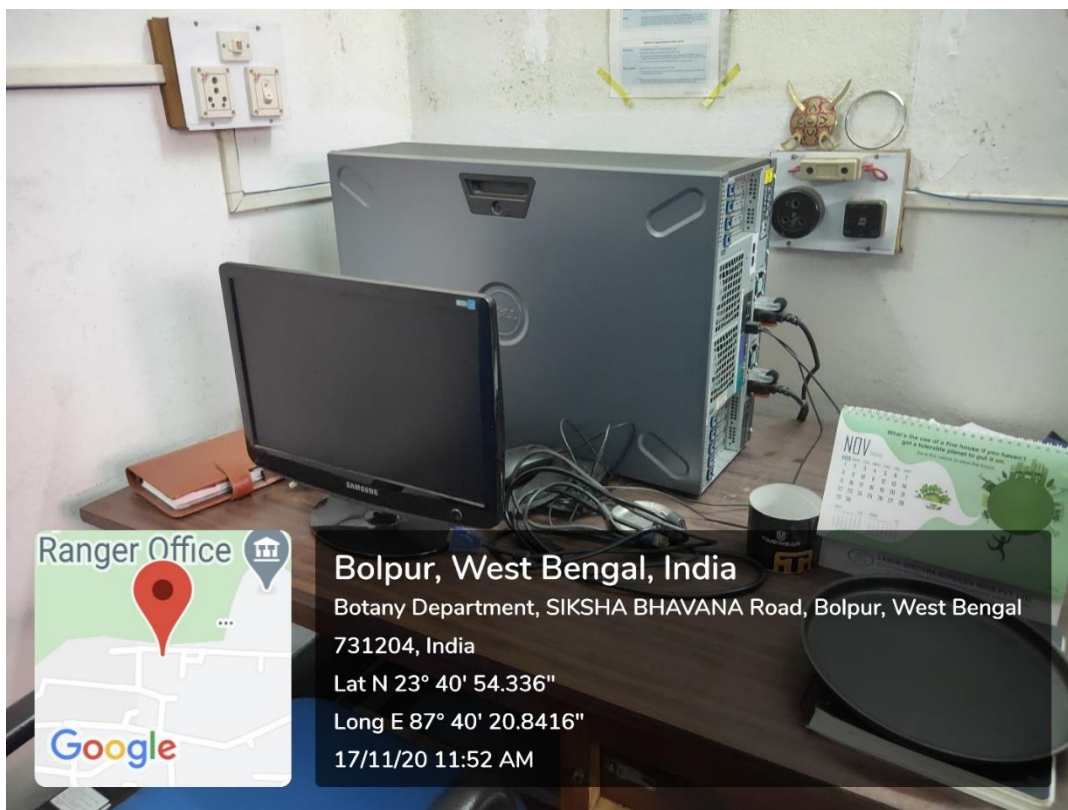












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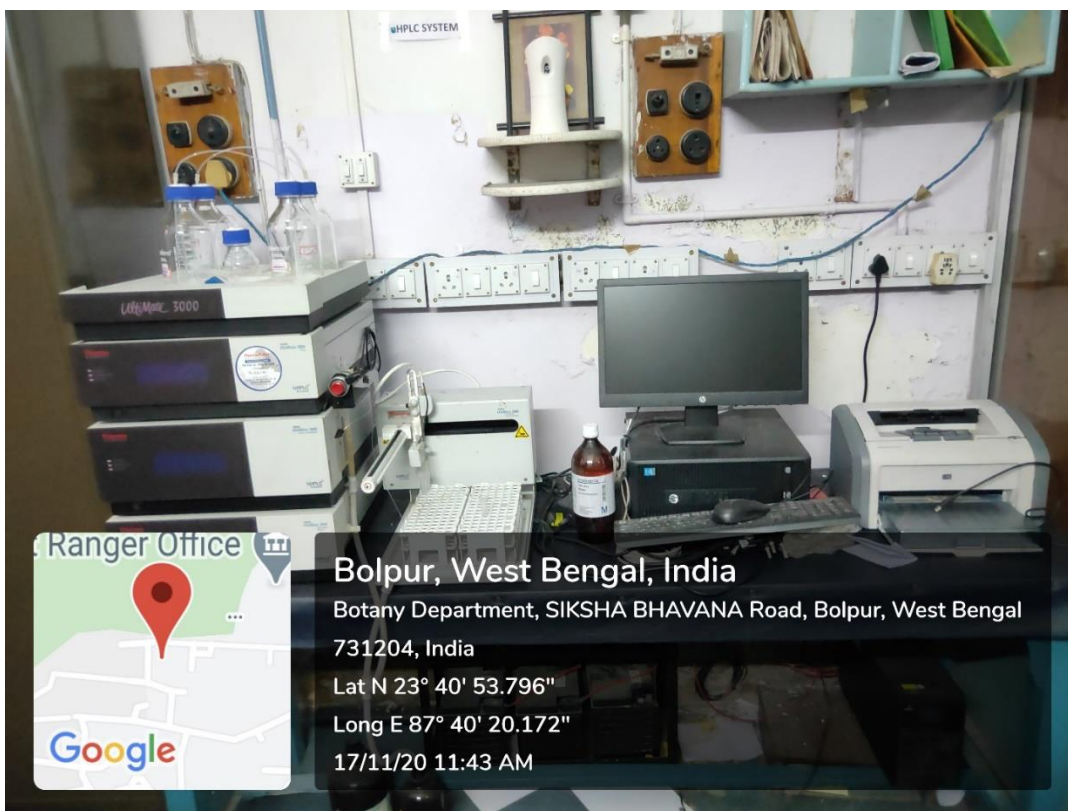
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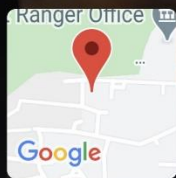
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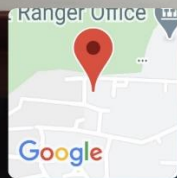
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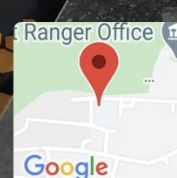
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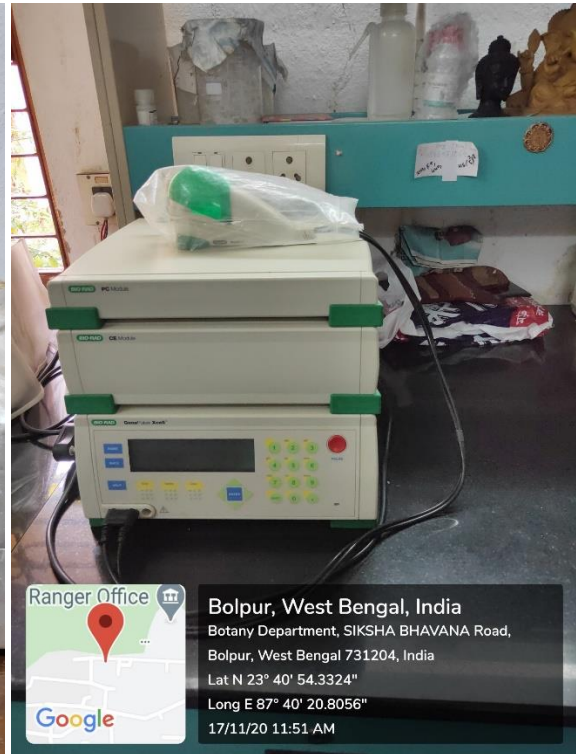
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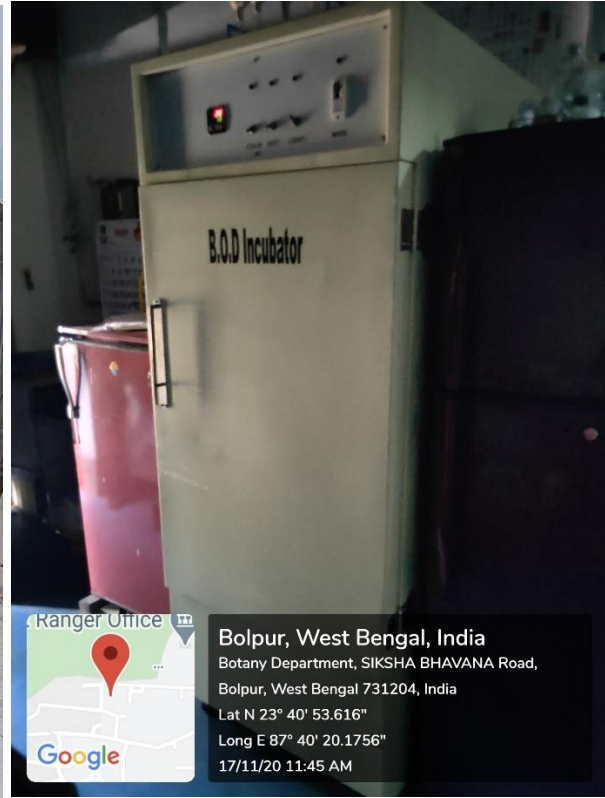
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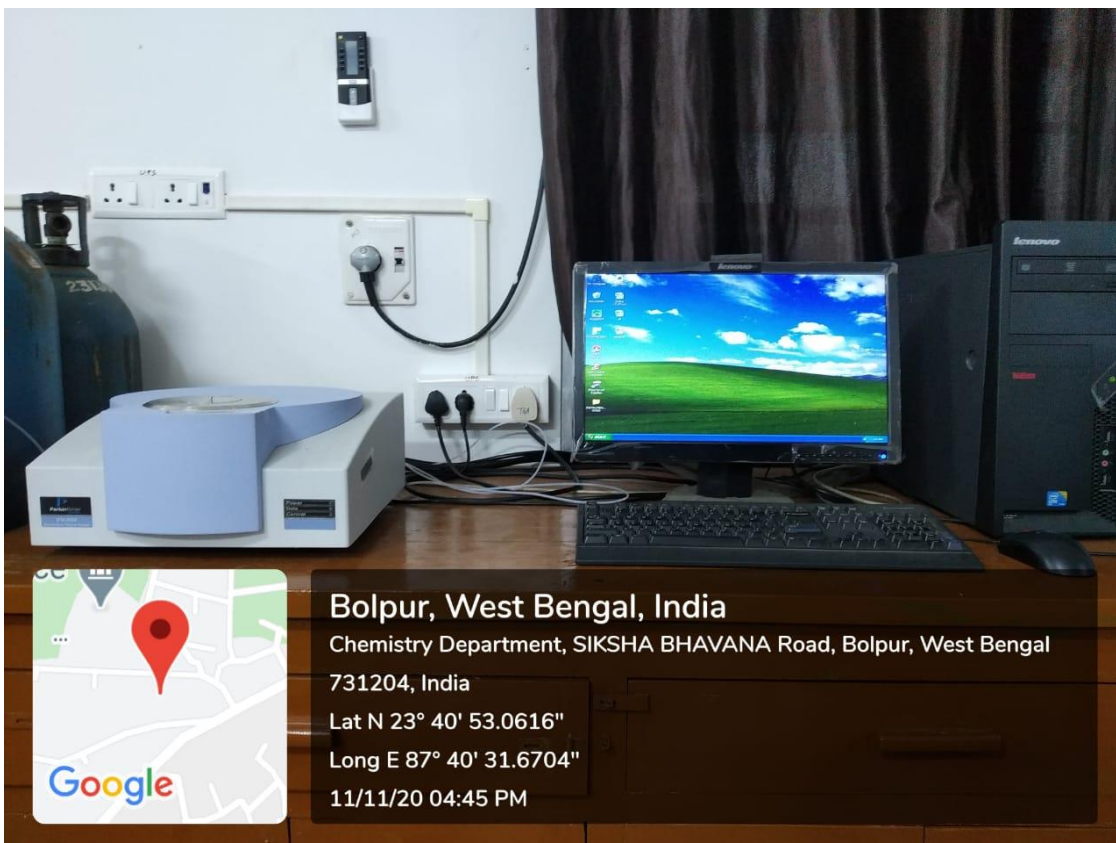
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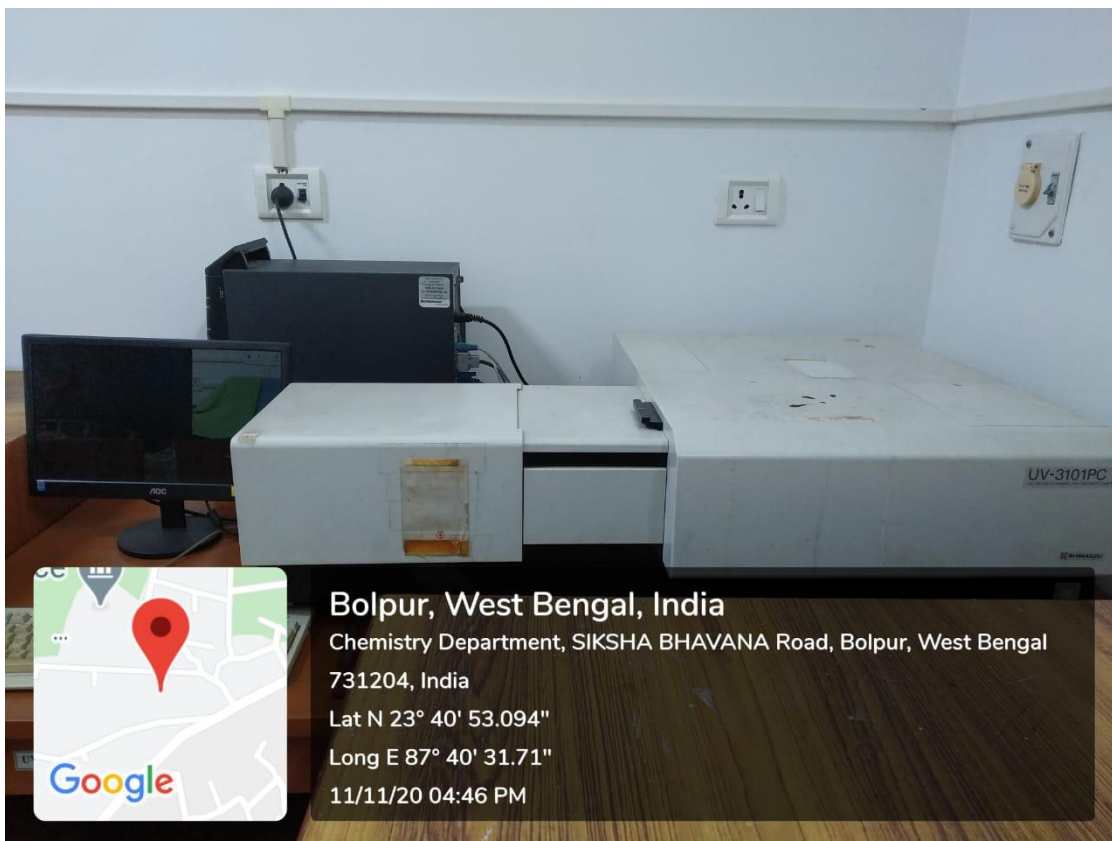












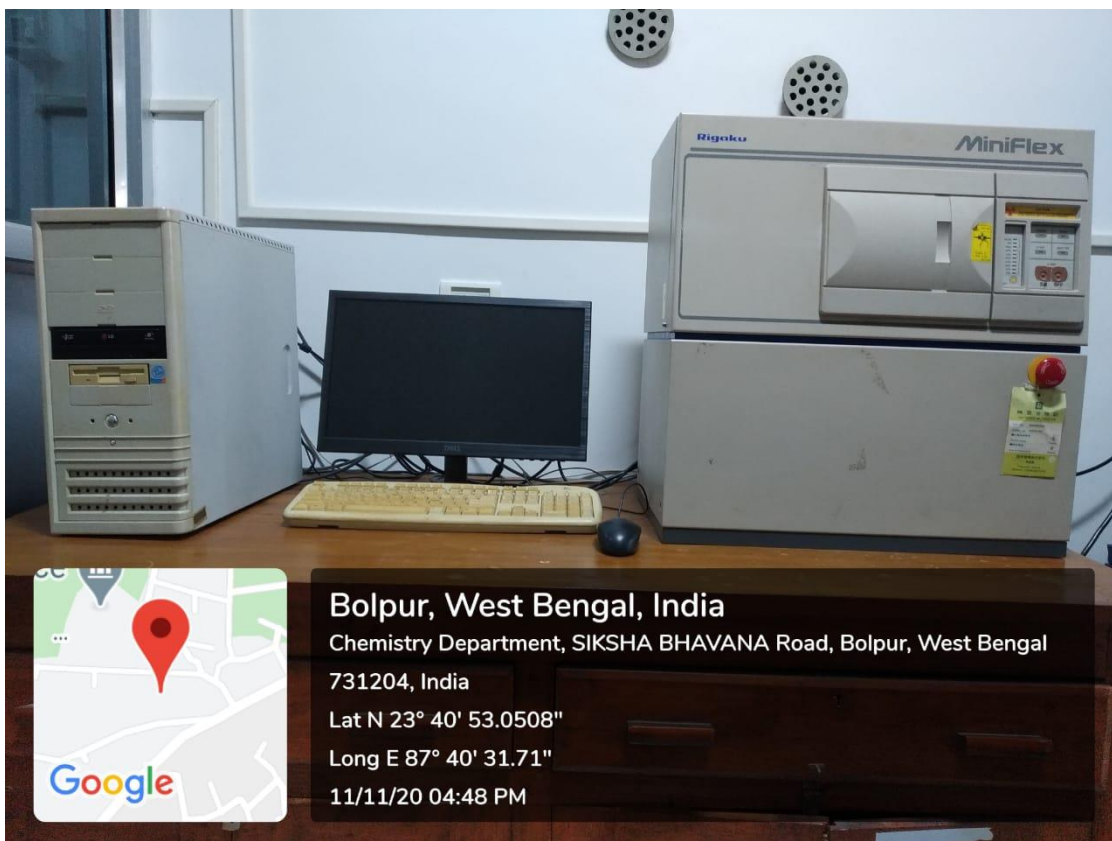
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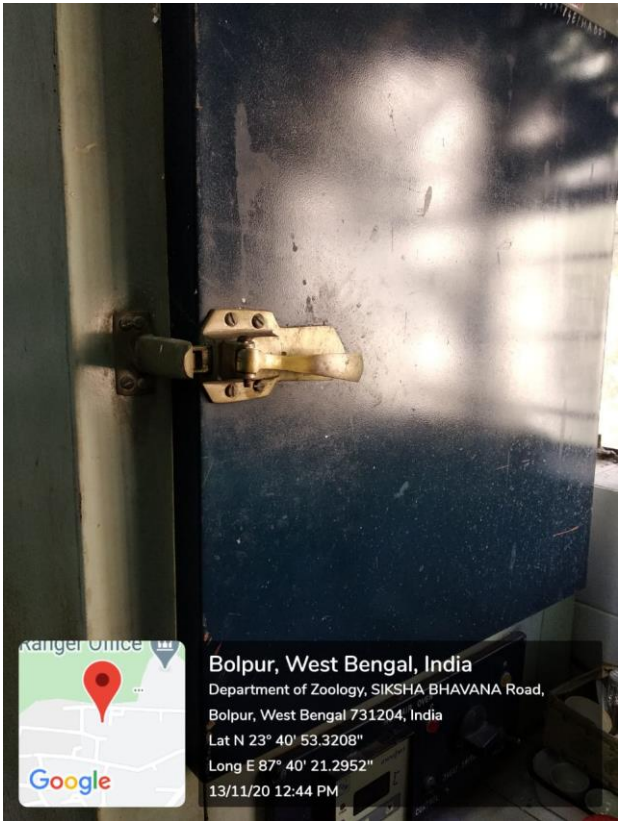




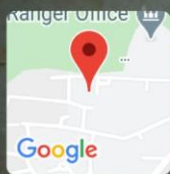




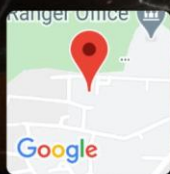
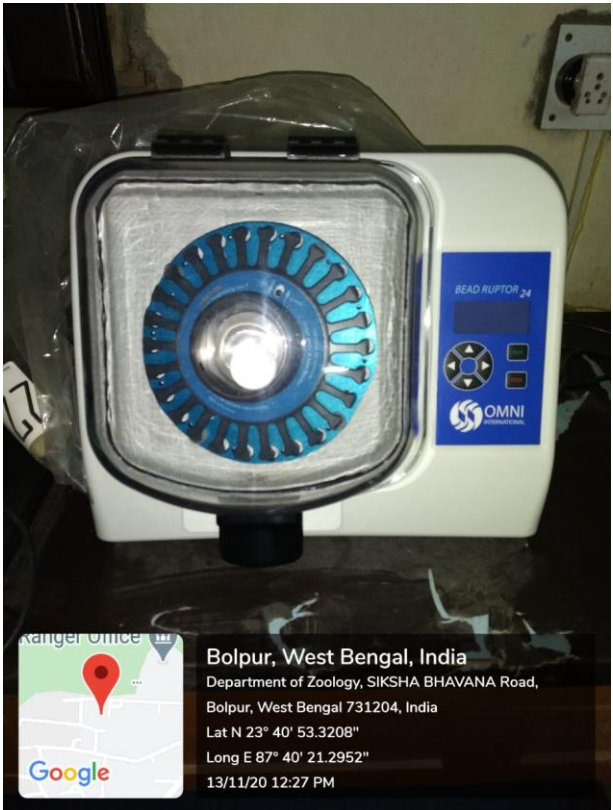
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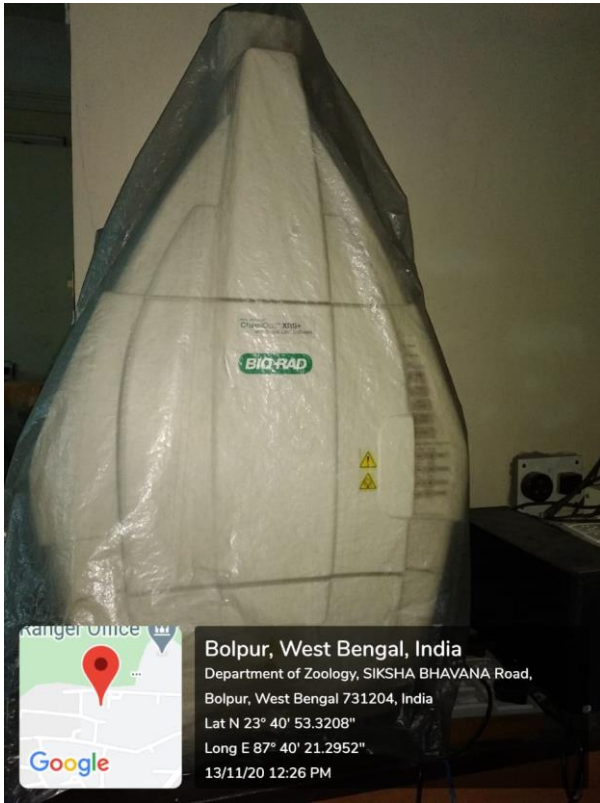
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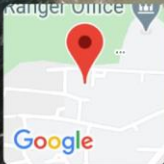


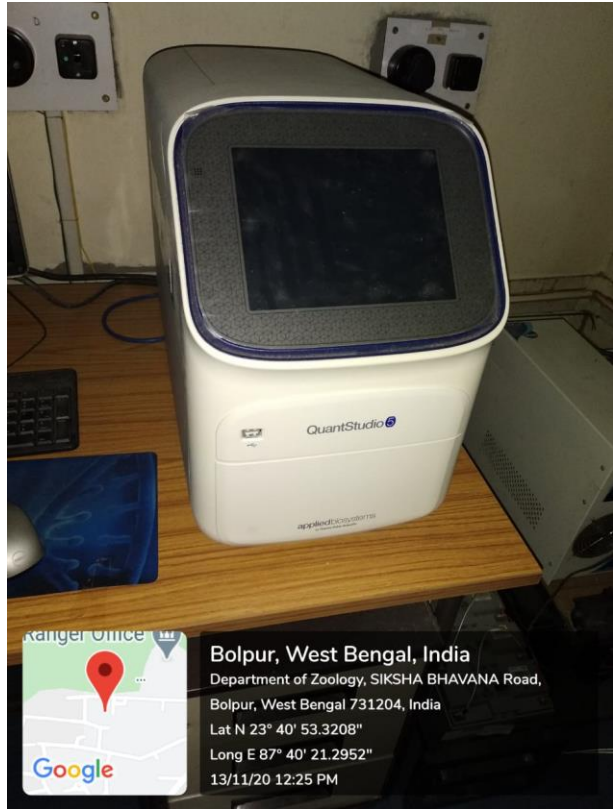
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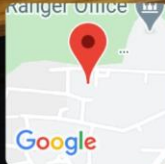


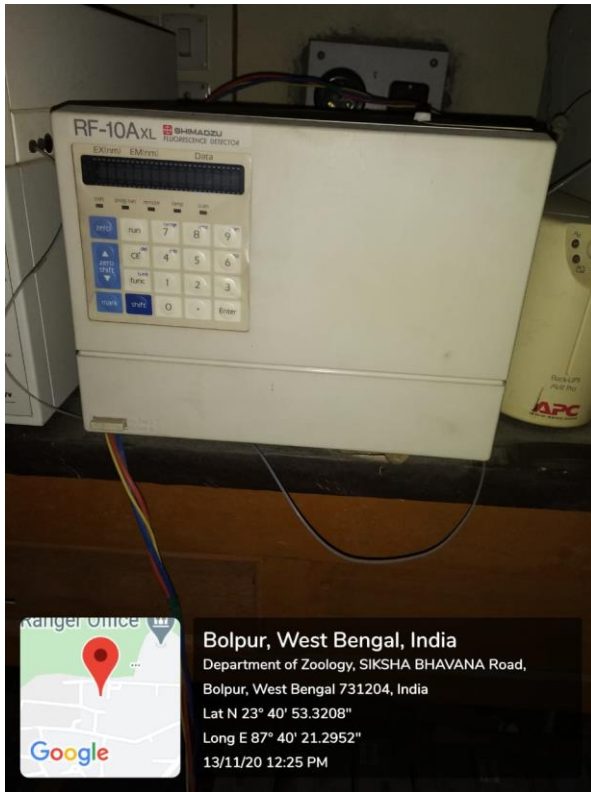
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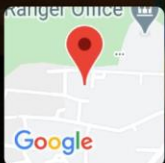


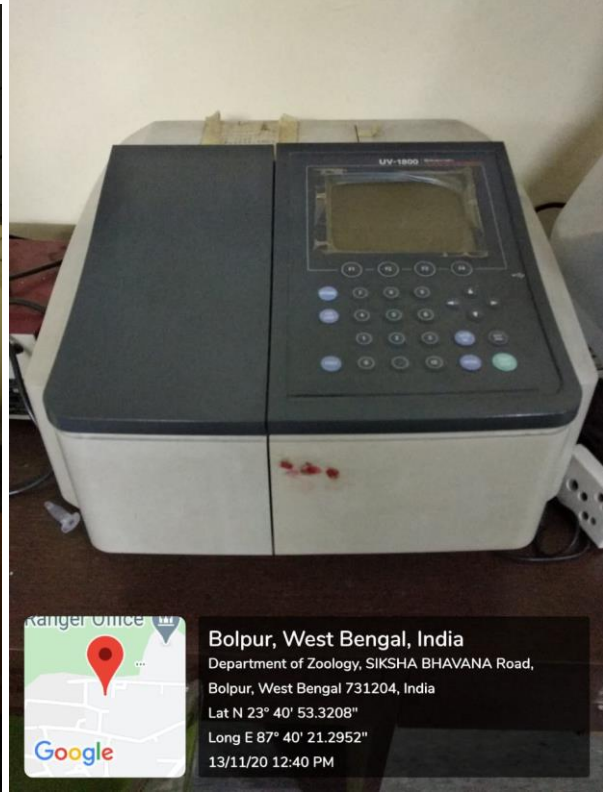
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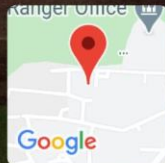


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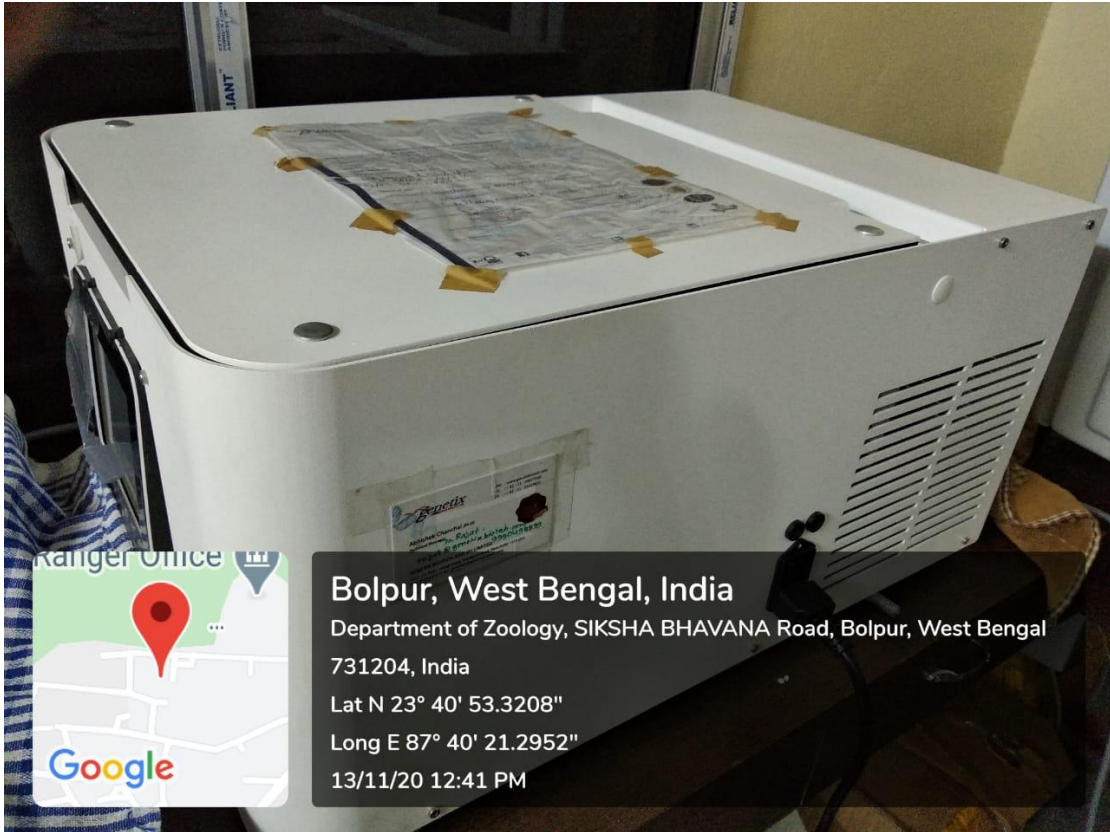


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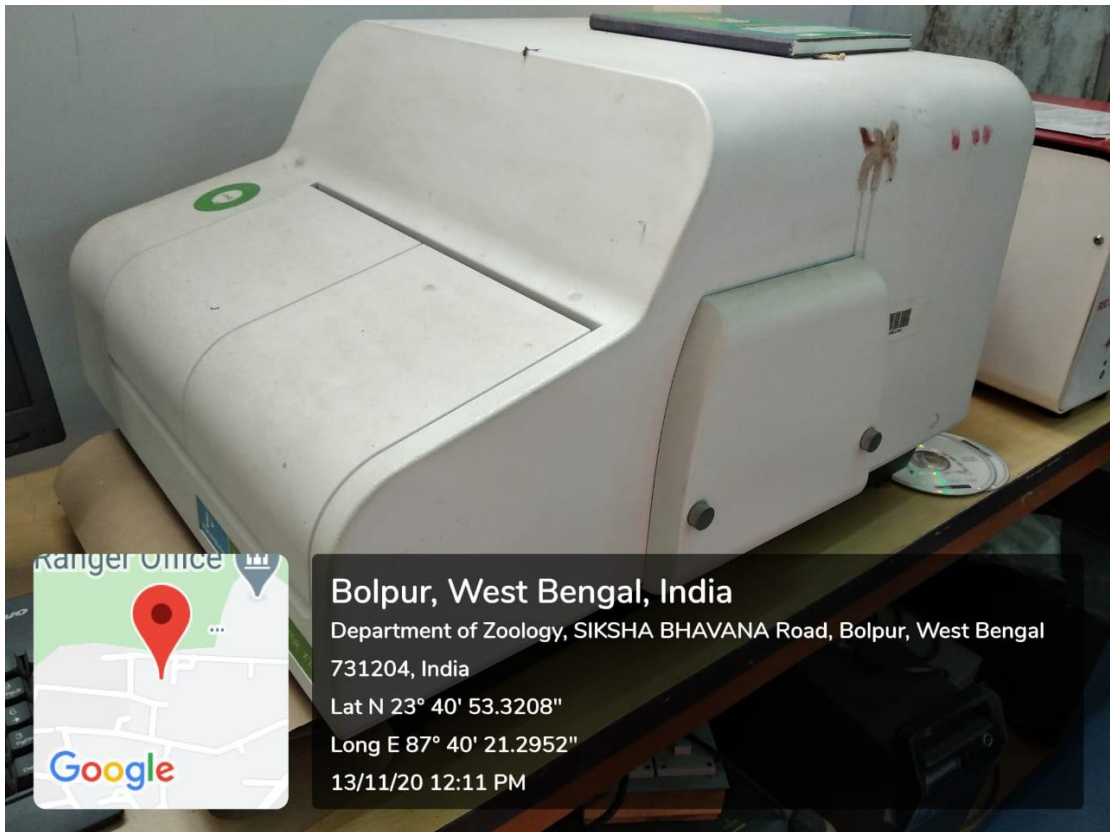
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**Bolpur, West Bengal, India**

Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
731204, India  
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**Bolpur, West Bengal, India**

Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
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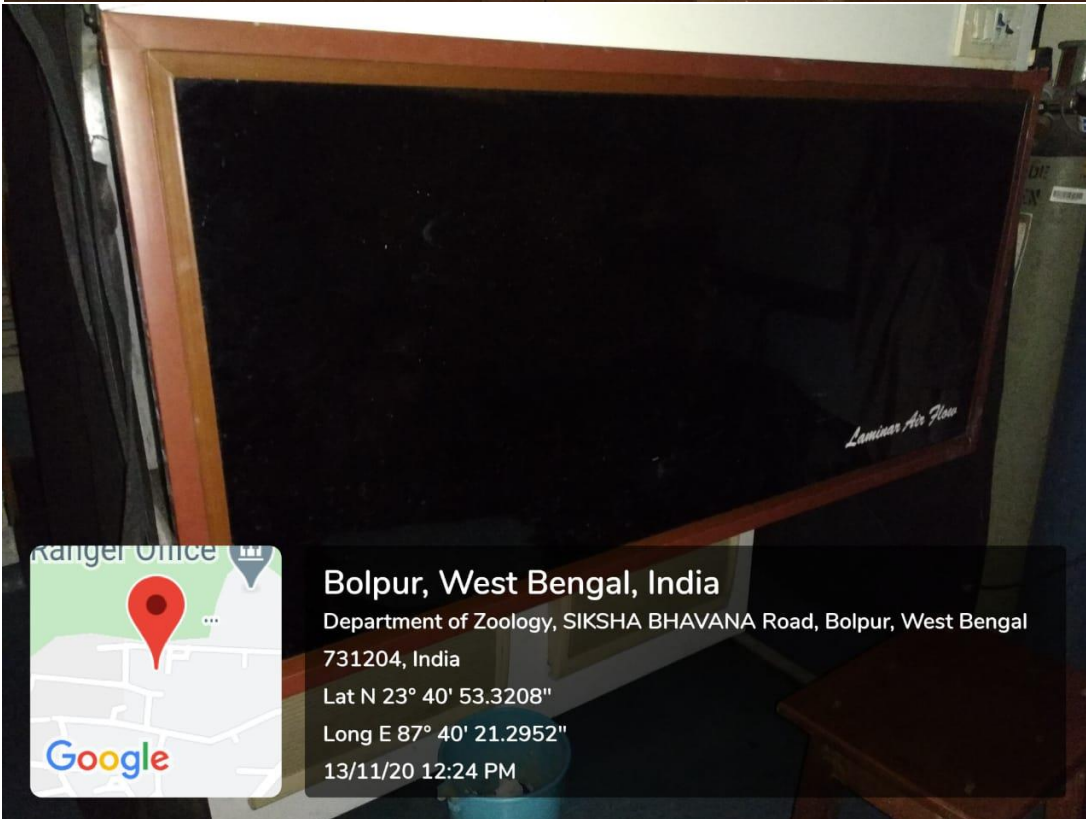
### Bolpur, West Bengal, India

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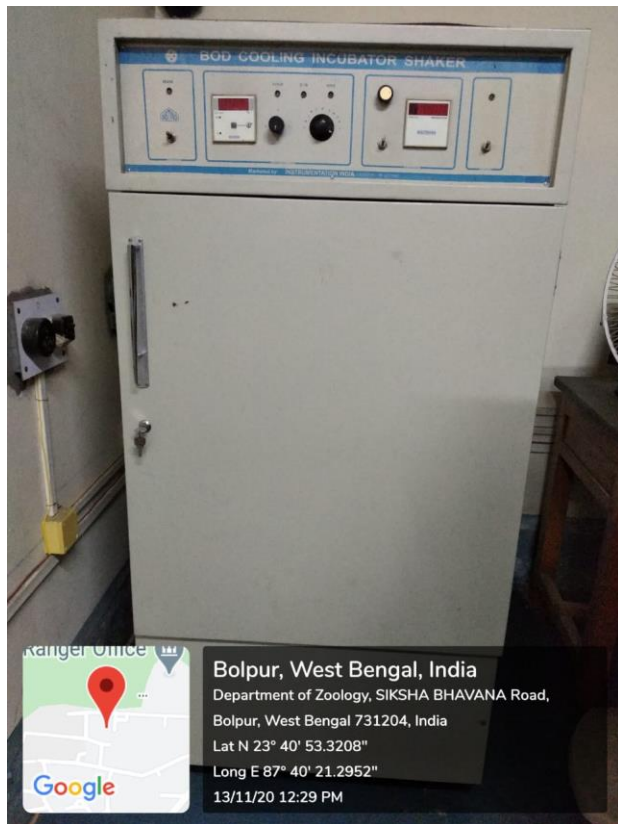
### Bolpur, West Bengal, India

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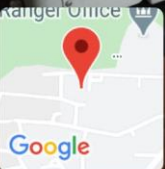


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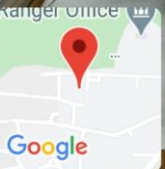


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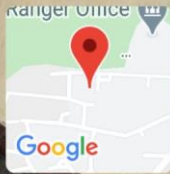


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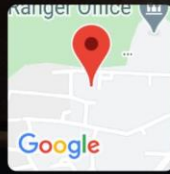


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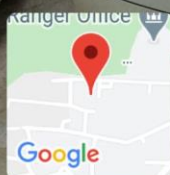
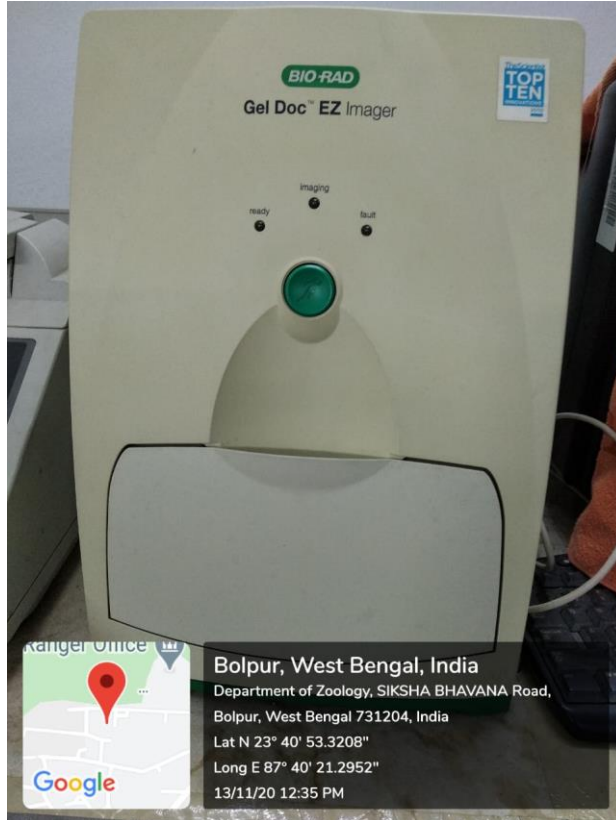




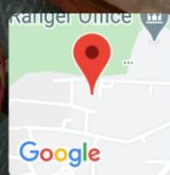
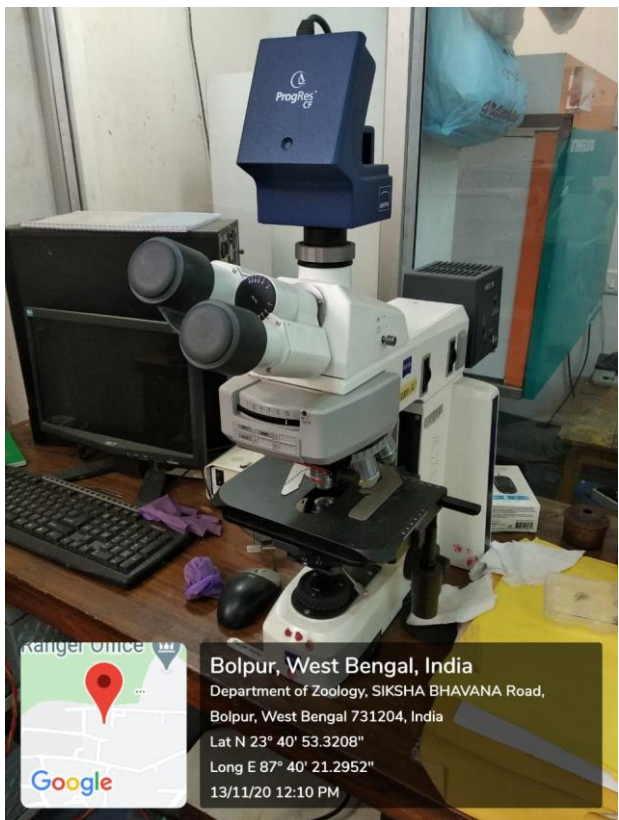
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Department of Zoology, SIKSHA BHAVANA Road,  
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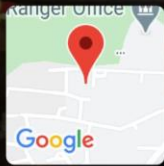
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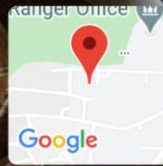
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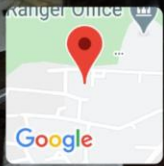
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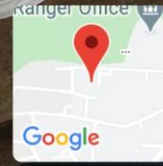
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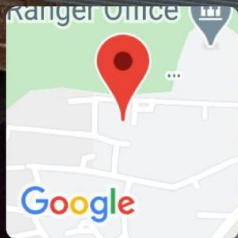
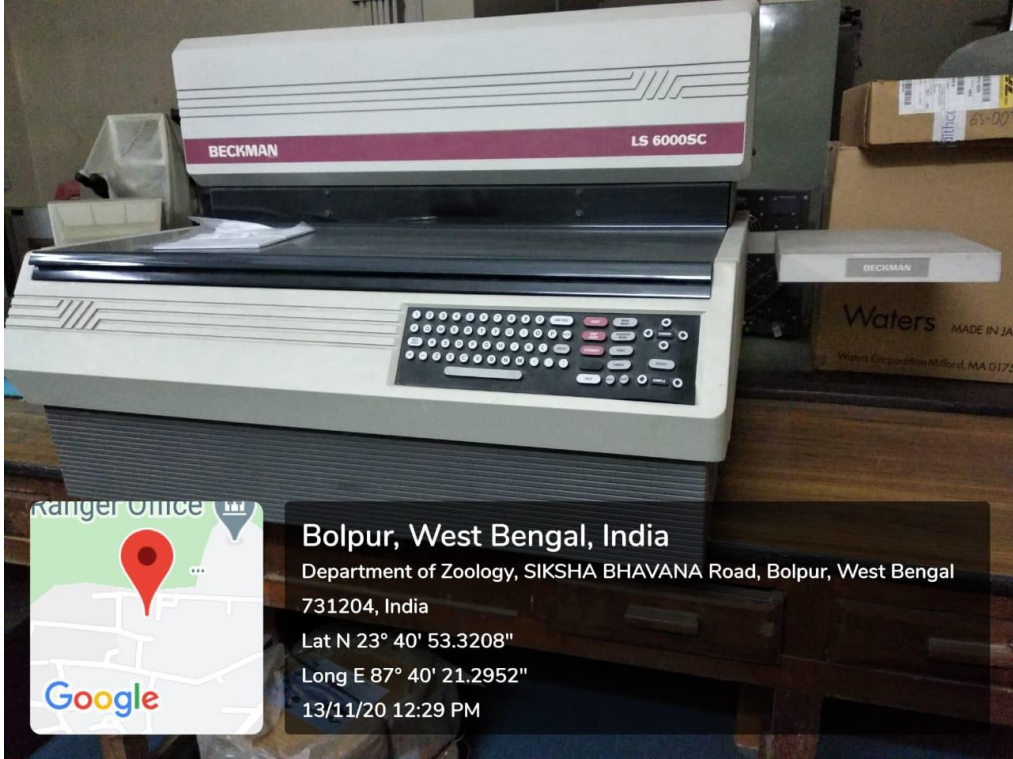


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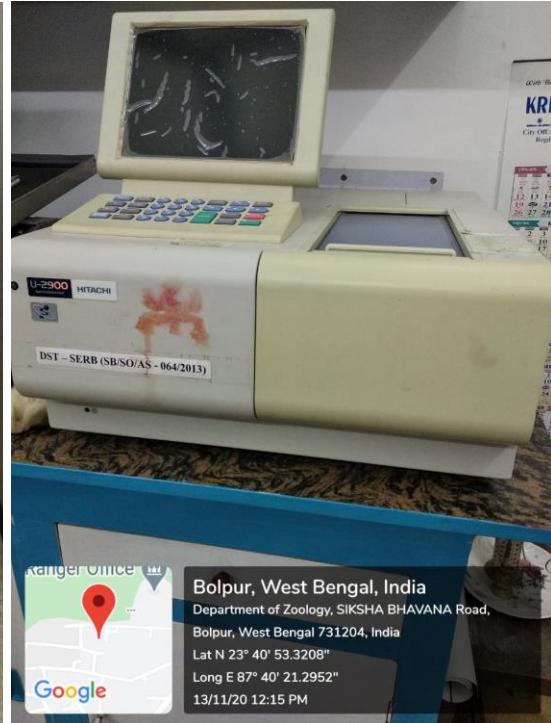
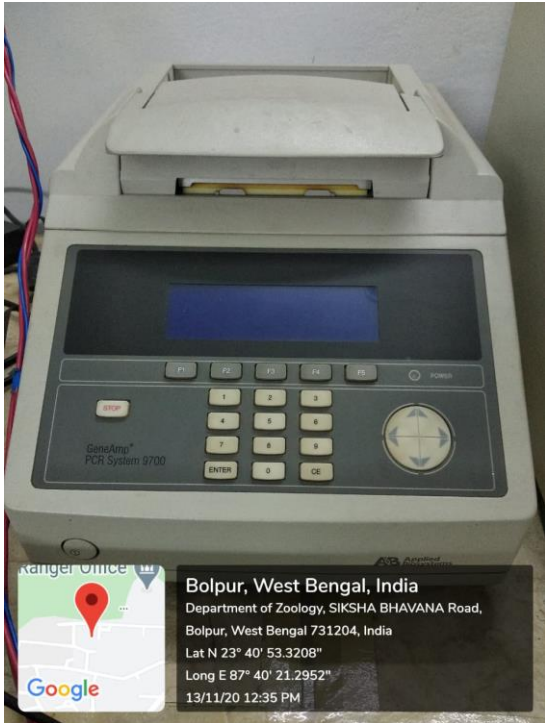
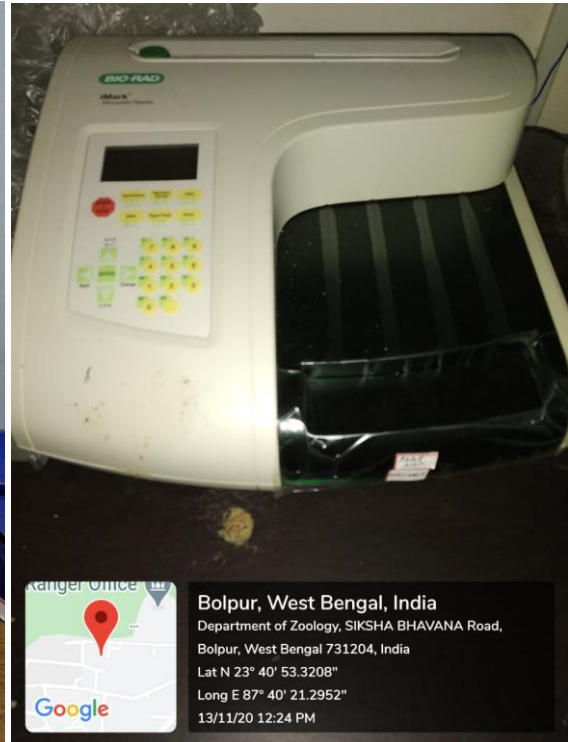




**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
731204, India  
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13/11/20 12:29 PM



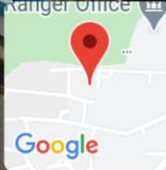
**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
731204, India  
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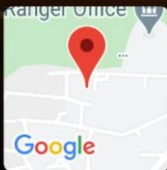




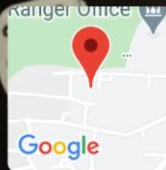
**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road,  
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13/11/20 12:11 PM



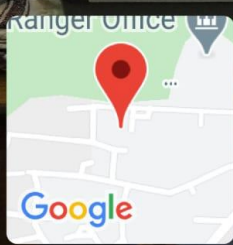
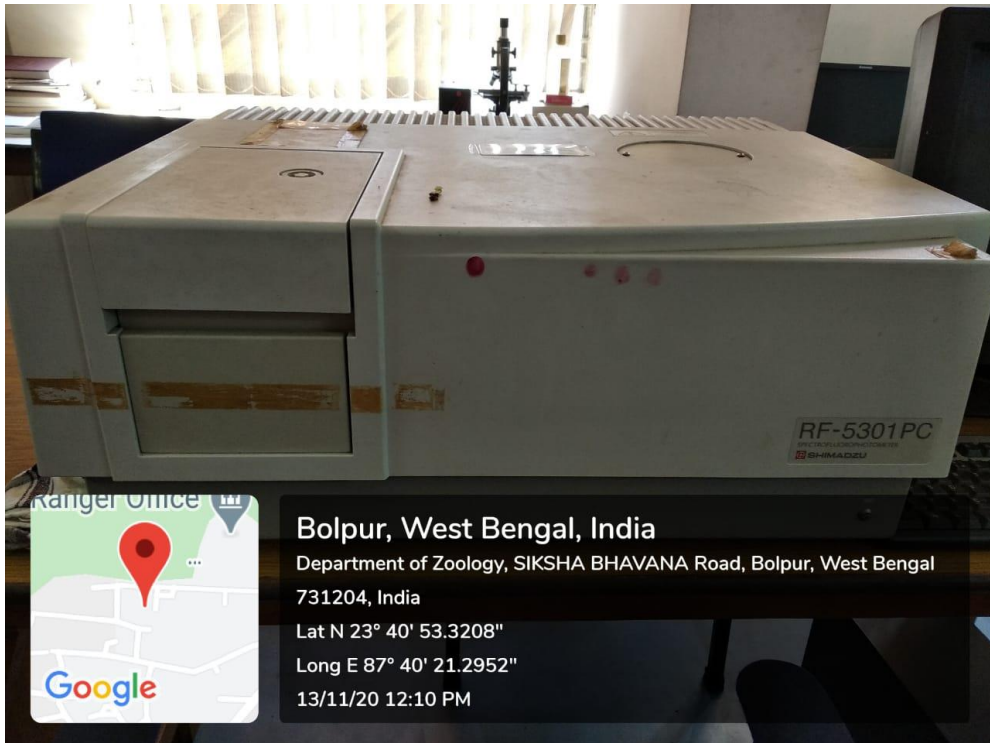
**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 53.3208"  
Long E 87° 40' 21.2952"  
13/11/20 12:17 PM



**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 53.3208"  
Long E 87° 40' 21.2952"  
13/11/20 12:28 PM



**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 53.3208"  
Long E 87° 40' 21.2952"  
13/11/20 12:24 PM



### Bolpur, West Bengal, India

Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
731204, India

Lat N 23° 40' 53.3208"

Long E 87° 40' 21.2952"

13/11/20 12:10 PM



### Bolpur, West Bengal, India

Department of Zoology, SIKSHA BHAVANA Road, Bolpur, West Bengal  
731204, India

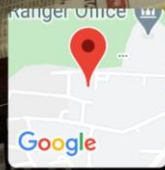
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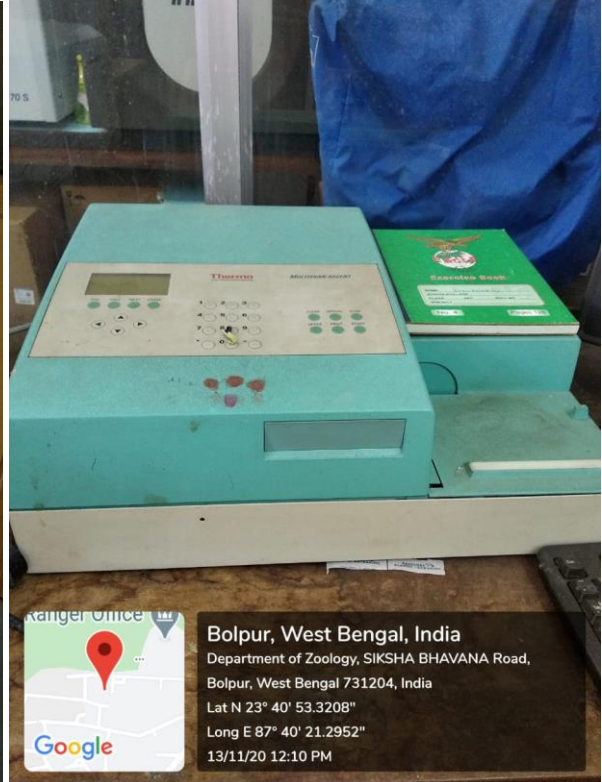
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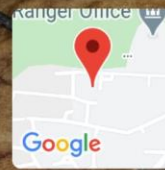
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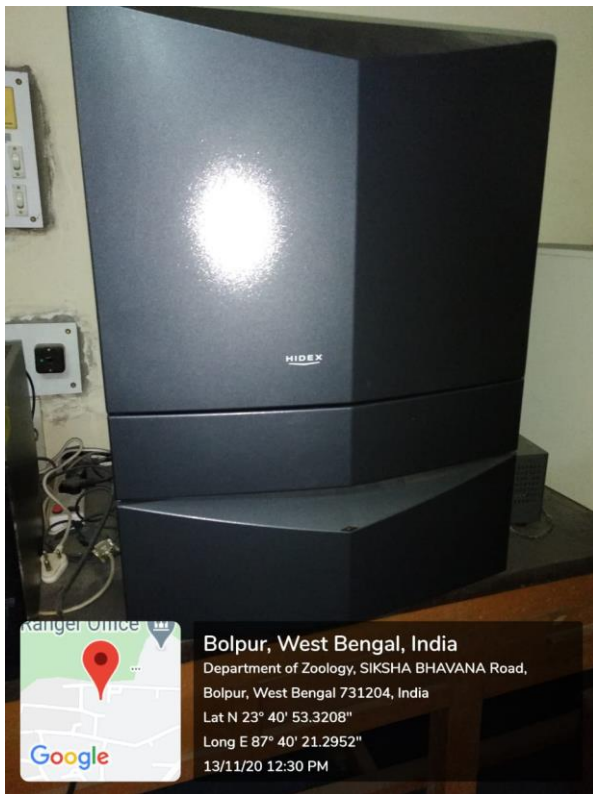





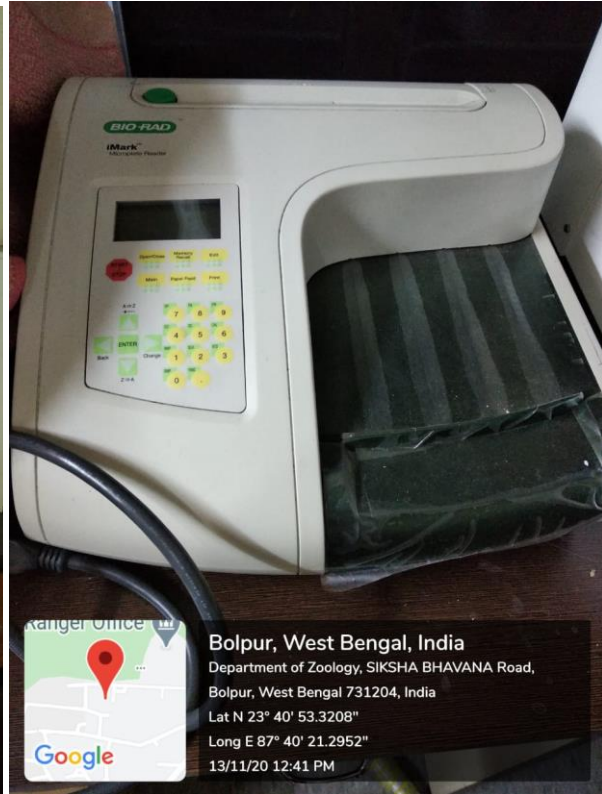
 Bolpur, West Bengal, India  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 53.3208"  
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13/11/20 12:25 PM



 Bolpur, West Bengal, India  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
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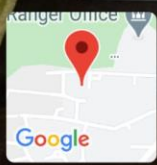
 Bolpur, West Bengal, India  
Department of Zoology, SIKSHA BHAVANA Road,  
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13/11/20 12:30 PM



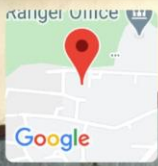
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Department of Zoology, SIKSHA BHAVANA Road,  
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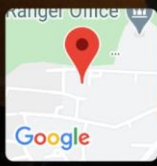
**Bolpur, West Bengal, India**  
 Botany Department, SIKSHA BHAVANA Road,  
 Bolpur, West Bengal 731204, India  
 Lat N 23° 40' 54.066"  
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 17/11/20 11:38 AM



**Bolpur, West Bengal, India**  
 Department of Zoology, SIKSHA BHAVANA Road,  
 Bolpur, West Bengal 731204, India  
 Lat N 23° 40' 53.3208"  
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 13/11/20 12:23 PM

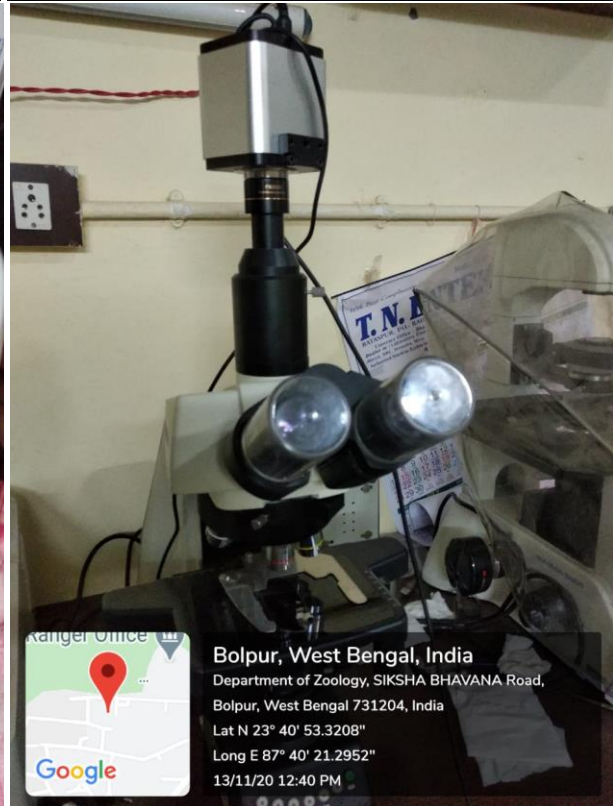
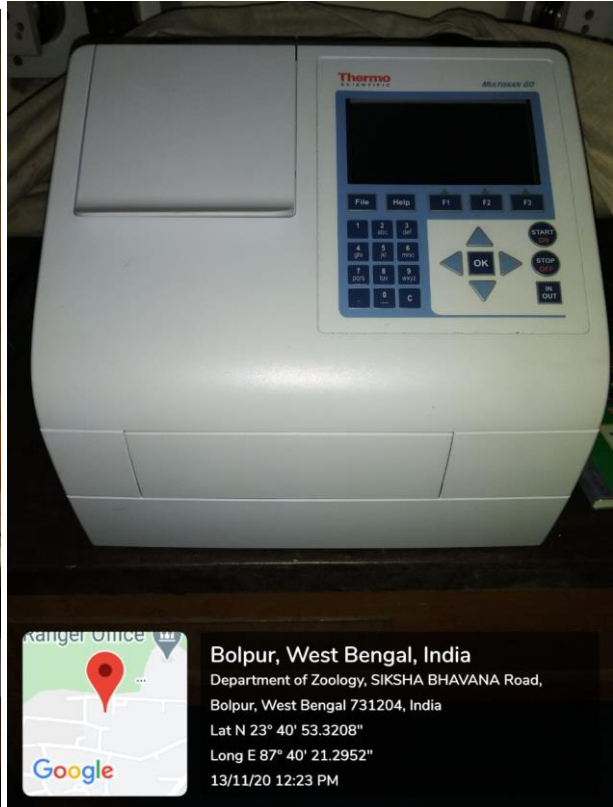


**Bolpur, West Bengal, India**  
 Department of Zoology, SIKSHA BHAVANA Road,  
 Bolpur, West Bengal 731204, India  
 Lat N 23° 40' 53.3208"  
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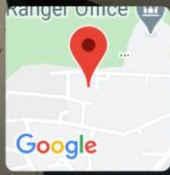
**Bolpur, West Bengal, India**  
 Department of Zoology, SIKSHA BHAVANA Road,  
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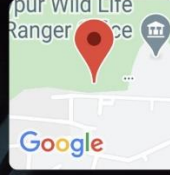








**Bolpur, West Bengal, India**  
Department of Zoology, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 53.3208"  
Long E 87° 40' 21.2952"  
13/11/20 12:27 PM



**Bolpur, West Bengal, India**  
Physics Department, SIKSHA BHAVANA Road,  
Bolpur, West Bengal 731204, India  
Lat N 23° 40' 55.9452"  
Long E 87° 40' 21.5688"  
17/11/20 01:00 PM



**Santiniketan - Sriniketan Rd, Bolpur, West Bengal  
731204, India**

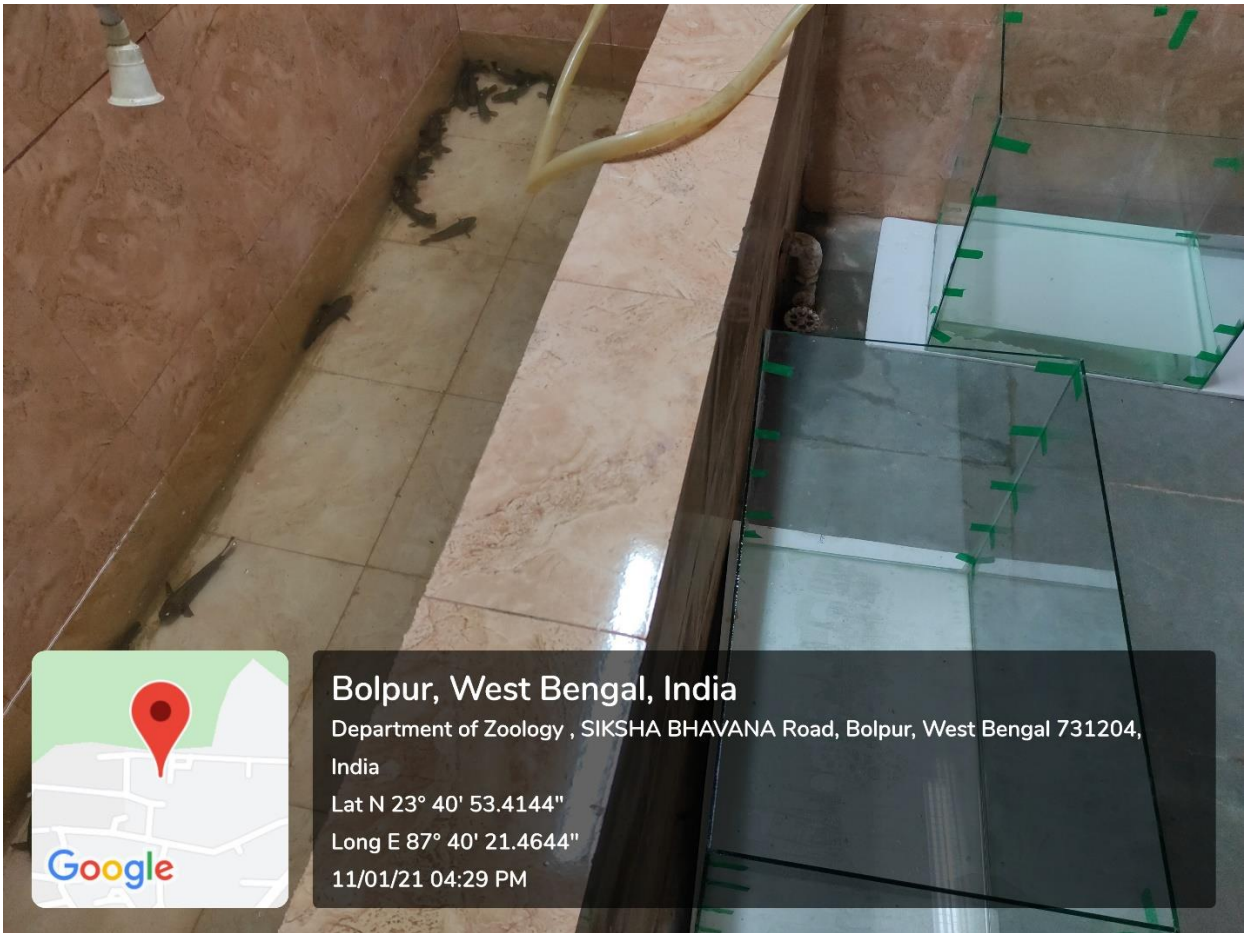
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Longitude  
**87.6712186°**

Local 04:23:22 PM  
GMT 10:53:22 AM

Altitude 5.87 meters  
Sunday, 31-01-2021





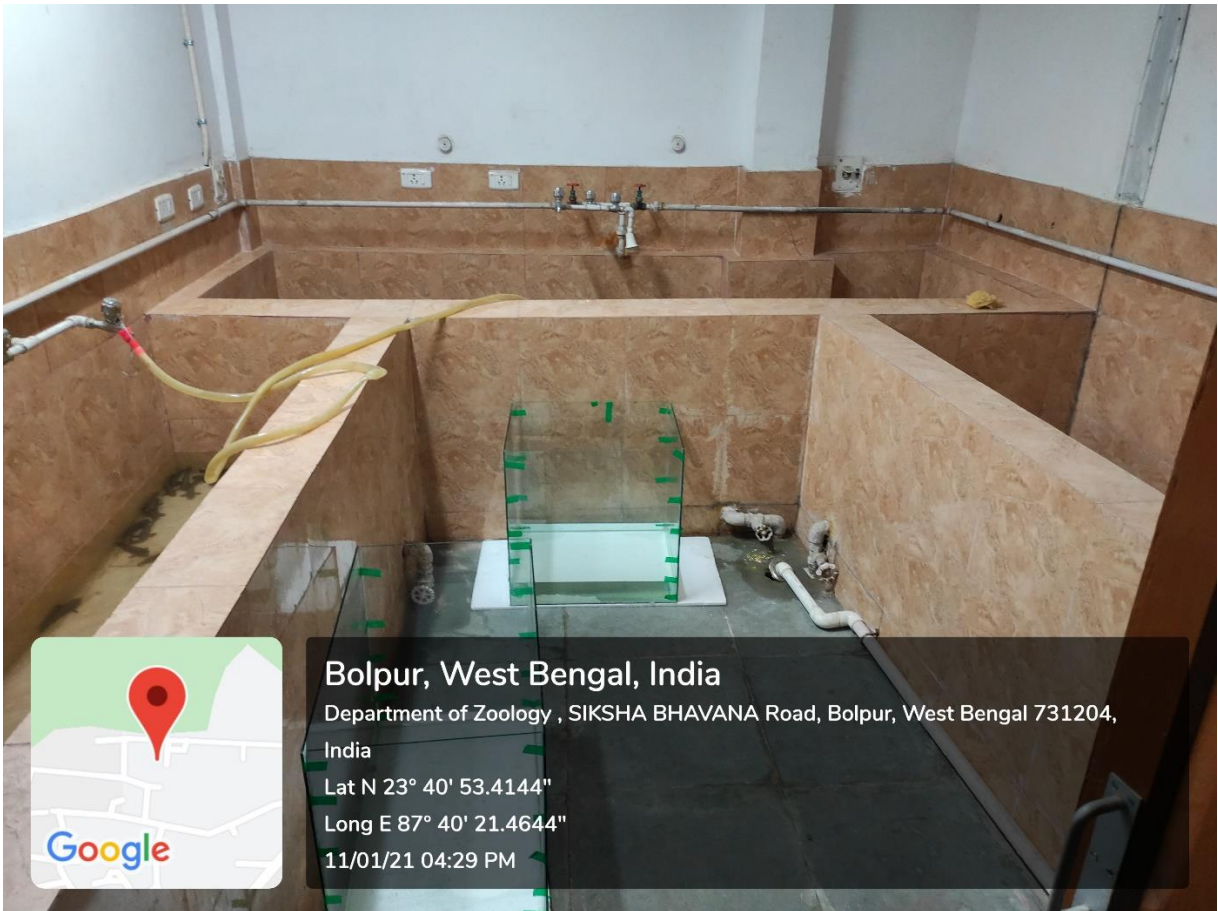
**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India

Lat N 23° 40' 53.4144"

Long E 87° 40' 21.4644"

11/01/21 04:29 PM



**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India

Lat N 23° 40' 53.4144"

Long E 87° 40' 21.4644"

11/01/21 04:29 PM





### Bolpur, West Bengal, India

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India

Lat N 23° 40' 53.4144"

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11/01/21 04:32 PM



### Bolpur, West Bengal, India

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India

Lat N 23° 40' 53.4144"

Long E 87° 40' 21.4644"

11/01/21 04:38 PM





### Bolpur, West Bengal, India

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India

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### Bolpur, West Bengal, India

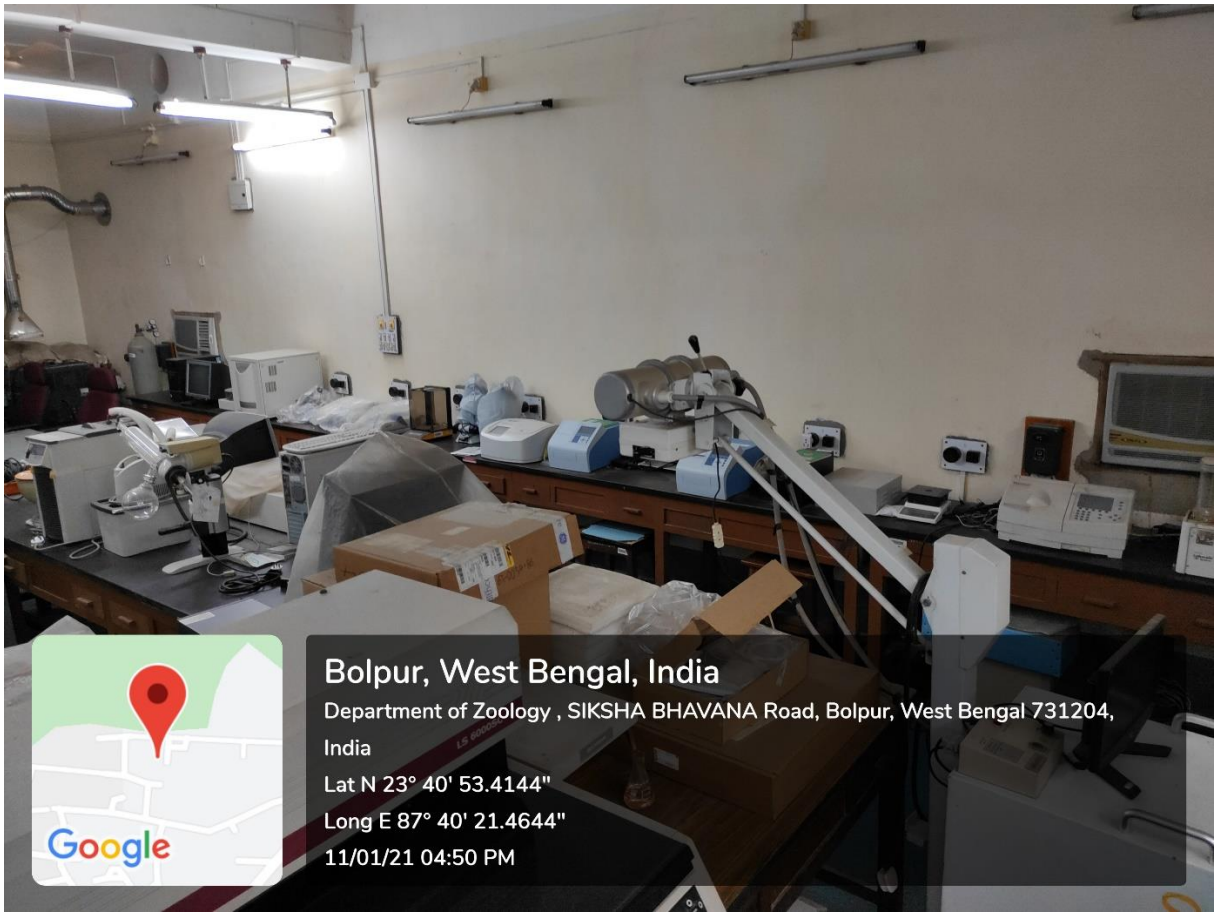
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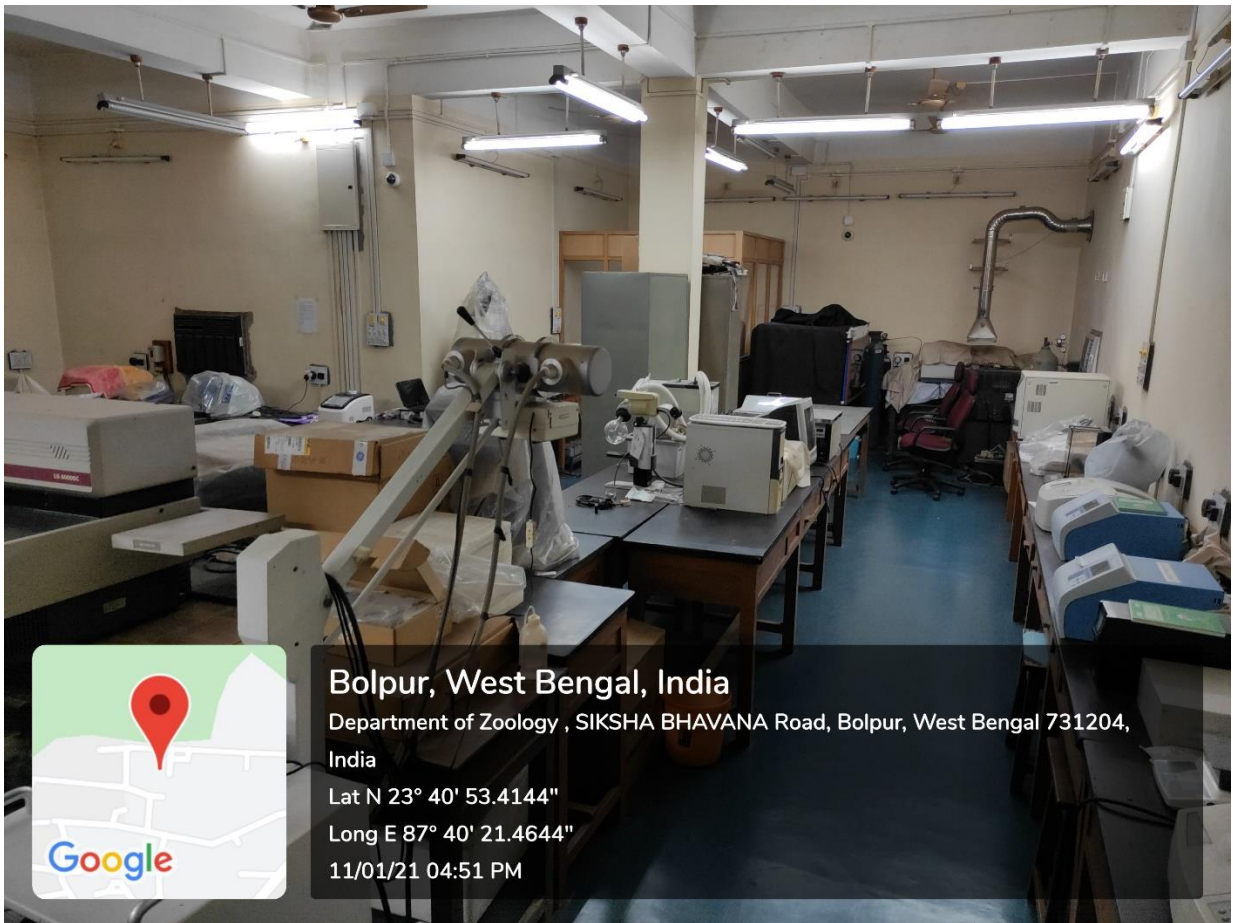
**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204,  
India

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Long E 87° 40' 21.4644"

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**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204,  
India

Lat N 23° 40' 53.4144"

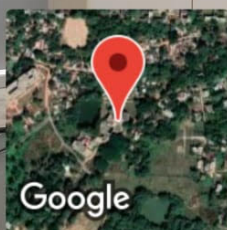
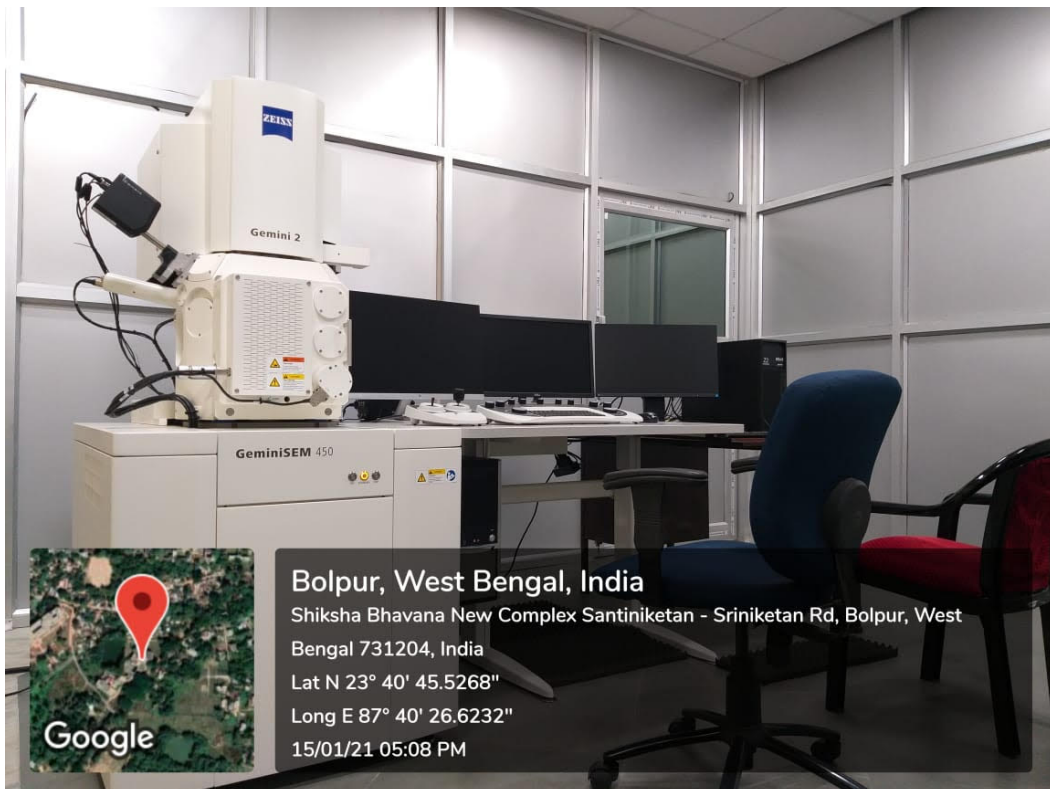
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**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204, India  
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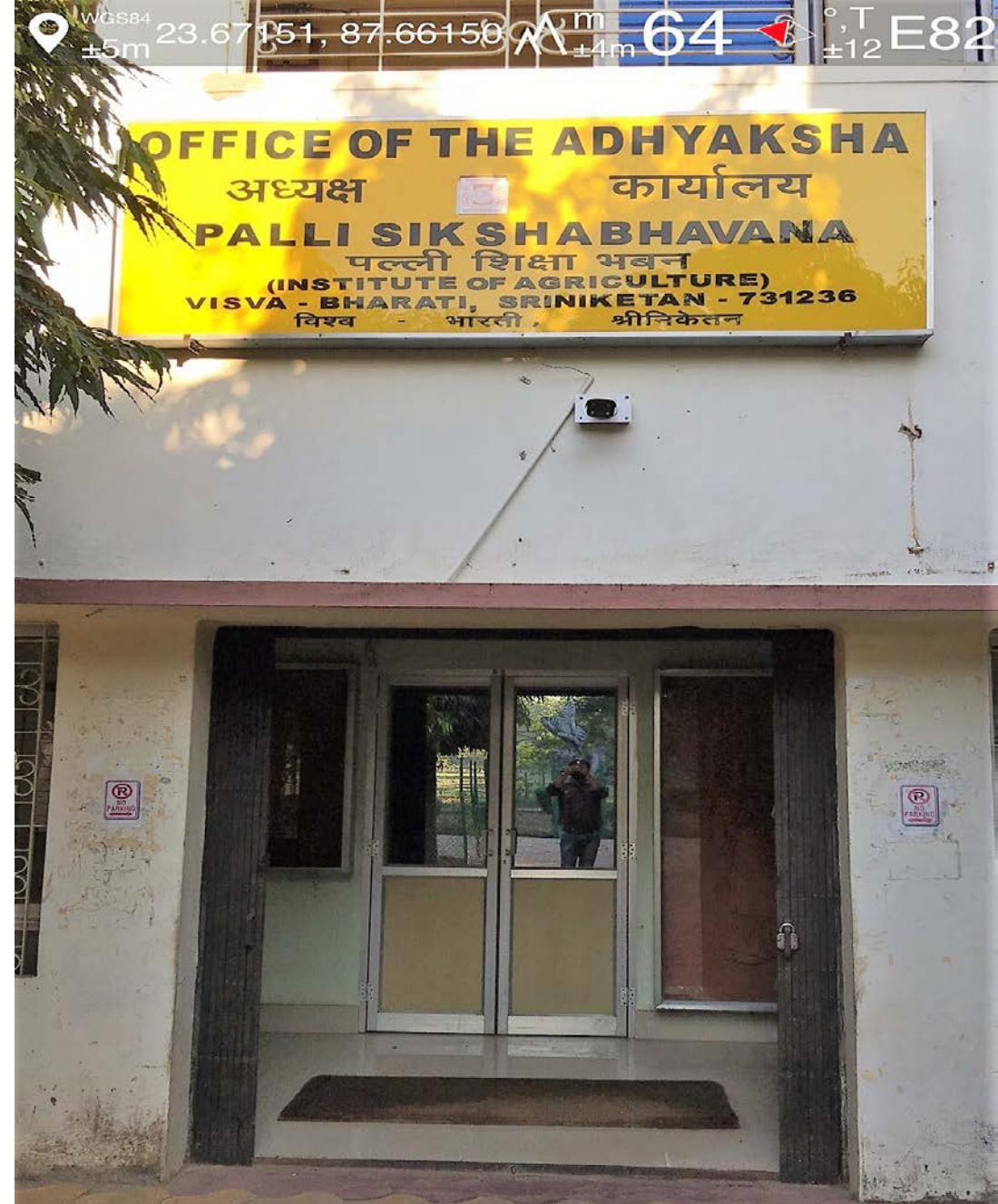


**Bolpur, West Bengal, India**

Shiksha Bhavana New Complex Santiniketan - Sriniketan Rd, Bolpur, West Bengal 731204, India  
Lat N 23° 40' 45.5268"  
Long E 87° 40' 26.6232"  
15/01/21 05:08 PM



# PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)





# SOIL TESTING LAB

(DEPTT. OF AGRICULTURE GOVT. OF W.)

## SOIL TESTING LABORATORY

FFCP



PLEASE HANDLE WITH CARE

WGS84 ±200m 23.67242, 87.65954

61

±12

SW212

23.67227, 87.66033

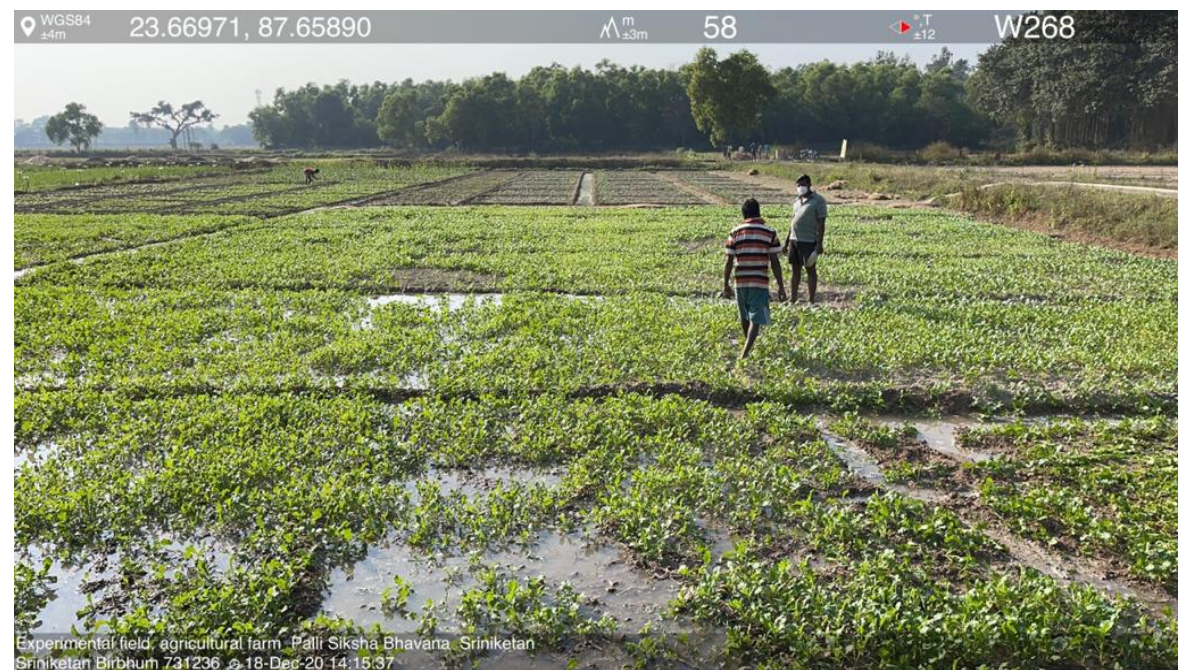
62

±12





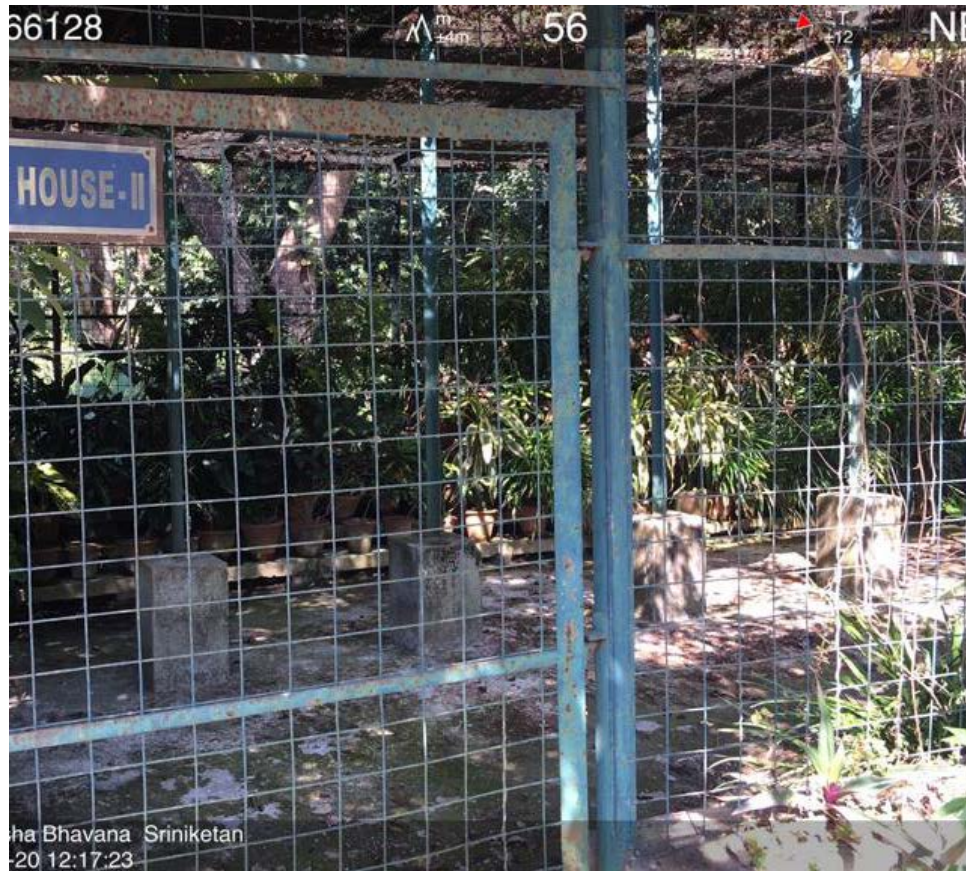












ha Bhavana Sriniketan  
-20 12:17:23



Net house horticultural farm Palli Siksha Bhavana Sriniketan  
Sriniketan Birbhum 731236 © 13-Nov-20 12:17:3



Palli Siksha Bhavana Sriniketan  
-20 12:18:33



Net house horticultural farm Palli Siksha Bhavana Sriniketan  
Sriniketan Birbhum 731236 © 13-Nov-20 12:18:33



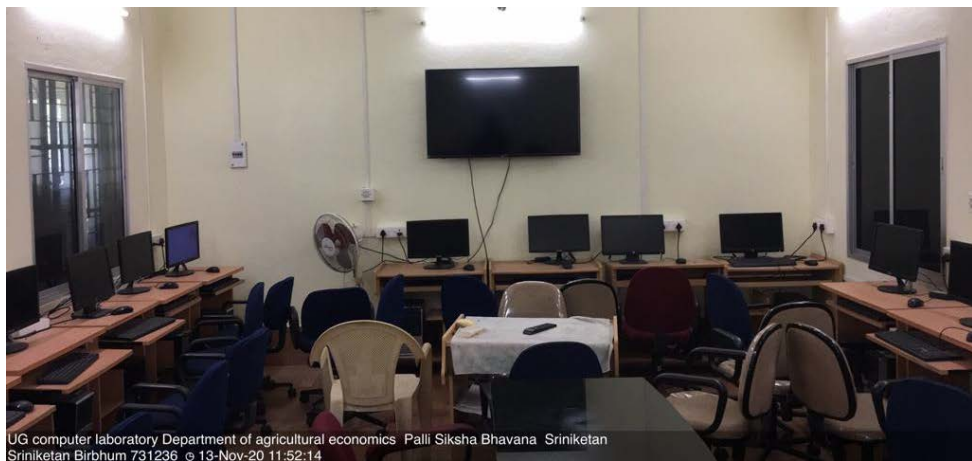


Atomic Absorption Spectrophotometer Soil Testing Lab, Palli Siksha Bhavana, Sriniketan

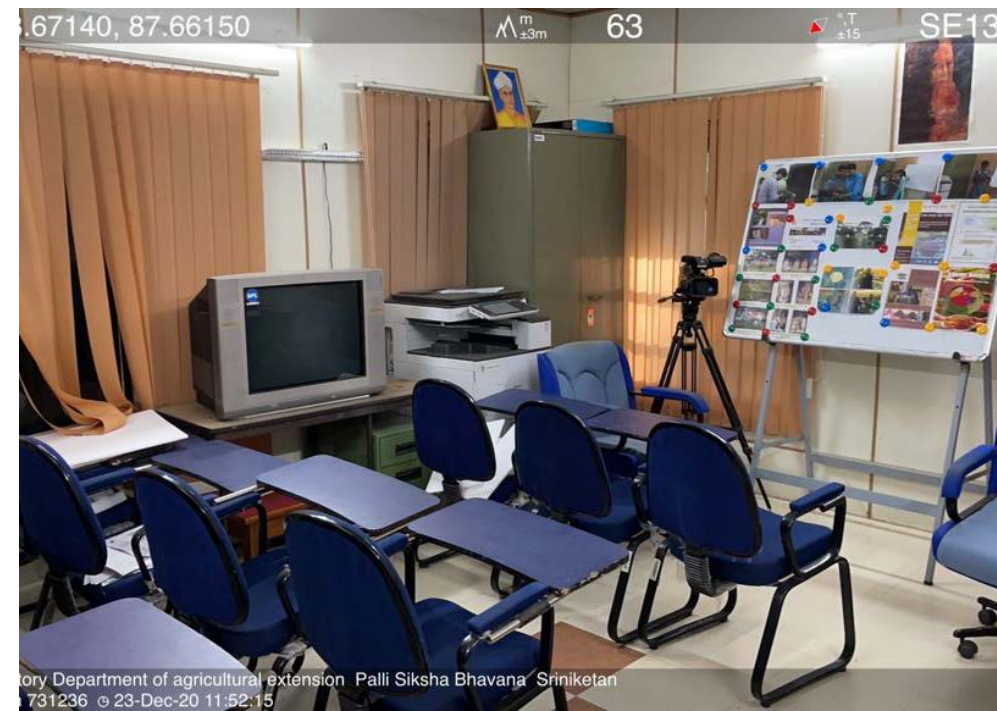


Instrument of soil testing laboratory, Palli Siksha Bhavana, Sriniketan













**VERMI COMPOST UNIT**  
(UNDER SWACHHTA ACTION PLAN)  
**কৈচো সার**  
(স্বাস্থ্য ভারত পরিকল্পনা)  
RATHINDRA KRISHI VIGYAN KENDRA  
PALLE-SIKSRA BHAYANA (INSTITUTE OF AGRICULTURE)  
VISHVA-BHARATI  
SHIBPUR, BURDIGHA - 731238, WEST BENGAL



**AZOLLA UNIT**  
RATHINDRA KVK  
BURDIGHA, W.B.



**2016**  
INTERNATIONAL  
YEAR OF PULSES  
**Nutritious Seeds  
for a  
Sustainable Future**  
VISHVA-BHARATI  
PALLE-SIKSRA BHAYANA  
(INSTITUTE OF AGRICULTURE)  
RATHINDRA KRISHI VIGYAN KENDRA  
SHIBPUR, BURDIGHA  
WEST BENGAL - 731238



## **ANIMAL HOUSE, VISVA-BHARATI SANTINIKETAN**

The Animal House, Visva-Bharati is located at Siksha Bhavana campus, adjacent to the building of the Department of Zoology, Visva-Bharati. The animal house construction was initiated since 2012 and completed in 2015. The activities of Central Animal House are:

- i (i) Promoting basic and educational animal research.
- ii (ii) Periodical Institutional Animal Ethic committee meeting
- iii (iii) In-vivo and in vitro studies for PhD level and collaborative projects.

This Animal house facility is registered with Committee for the Purpose of control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment, Forest and Climate Change, Government of India on 01/09/2015 (Registration number 1819/GO/Re/S/15/CPCSEA) and has an established Institutional Animal Ethics Committee (IAEC) that advises the students, teachers/researchers on facilities, policies and practices concerning the care and use of animals. The Animal House facility is at present under the care of the Department of Zoology, Visva-Bharati.

The Animal House facility has mice, rats, and provision for rabbits. Each species of animals is housed in separate rooms partitioned with aluminum frame and particle board in fill in the half lower portion and glass in the upper half portion to avoid disease transmission and inter-species conflicts and to eliminate anxiety and possible physiological and behavioral changes due to interspecies conflict. Each laboratory animal requires special care. They are normally sensitive to their living conditions and living habits. Every part of animal care including feeding, watering, restraining, cage cleaning, record keeping and ordering of animals, feeds, bedding materials and equipment from outside sources are monitored by trained and experienced researchers. The animal room occupies about 50-60% of the total constructed area and the remaining area is utilized for service such as store, quarantine and corridors.

The animals themselves are isolated from human habitation and guarded from dust, smoke, noise, wild rodents, insects and birds-in fact anything that would disturb their habitat. The housing environment and climate is moderated as well to ensure that artificial variables do not interfere. A high degree of hygienic conditions (macro and micro environment) around the animals are maintained as per the CPCSEA guidelines. The floor of the animal house is smooth with vitrified tile to avoid moisture, non-absorbent, skid-proof, resistant to wear, acid, solvents, adverse effects of detergents and disinfectants, fire-resistant and for easy cleaning and capable of supporting racks, equipment and stored items without becoming gouged, cracked, or pitted. The roof is with false ceiling to help create healthy environment inside

the animal house. Two main doors D1 for entry and D2 for exit and glazed window for proper sunlight. Corridors are wide enough to facilitate the movement of personnel as well as equipment.

**Power:** All efforts are made to maintain the animals under controlled environmental conditions of temperature (24-26°C), relative Humidity (60 ± 10%), and automatic light and dark cycle with 100 % fresh air exchange in all animal rooms and uninterrupted power and water supply. The electrical system is safe and provides appropriate lighting and a sufficient no of power outlets.

**Facility available:** Mice room, rat room, rabbit room, quarantine room, change room, sick animal room, record keeping room (record for animal purchase, animal use and animal death), washing room and store room.

- (i) **Change room:** Disposable gear such as gloves, masks, head covers, coats, coveralls and shoe covers are kept in this room.
- (ii) **Quarantine room:** Duration of stabilization will depend on type and duration of animal transportation, and animals are housed in quarantine room for a minimum duration of one week for mice and rat.
- (iii) **Sick room:** Animals that show signs of a contagious disease are isolated from healthy animals and kept in this room.

**Equipment available:** Stainless steel racks for holding rats and mice cages having multiple row configurations and wheels for maneuverability; polyethylene cages for mice and rats with cage lid and stainless steel wire bar, as well as an 850 mL water bottle; Air purification unit, air condition unit, digital Thermometer, Hygrometer and Autoclave.

**Feeding and water devices:** Mice and rats are provided with soft bedding preferably fibrous bedding with greater absorbent. Food pellets/ chow are provided with water on a daily basis. Water bottles and beddings are changed thrice a week for maintaining animal hygiene.

**Animal Research areas:** We are doing the following research activity:

- 1) Invasive study models
- 2) Toxicological studies
- 3) Cancer studies
- 4) Anthelmintic studies
- 5) Anti-inflammatory studies
- 6) Anti-diabetic studies
- 7) Immunomodulatory studies
- 8) Reproductive studies
- 9) Obesity study model



**Forms and Formats Available:**

- 1) Application for the Permission of Animal Experiments (Form B)
- 2) Record of Animals Bred/Acquired/Transfer (Form C)
- 3) Record of Animals Acquired and Experiments Performed (Form D) 3

**Contacts:**

Official- Member Secretary, IAEC & Incharge of Animal House

Address:

Animal House

Department of Zoology

Siksha Bhavana

Visva-Bharati

Santiniketan-731235

West Bengal.



भारत सरकार  
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय  
पशु कल्याण प्रभाग  
पशुओं पर परीक्षण के नियंत्रण एवं पर्यवेक्षण के प्रयोजनार्थ समिति (सीपीसीएसईए)  
Government of India  
Ministry of Environment, Forest and Climate Change  
Animal Welfare Division  
Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)



F.No:25/97/2008-AWD

Date: 31/Aug/2018

To,

Prof. Narayan Chandra Mandal, Chairman, IAEC  
Visva-Bharati (A Central University) Santiniketan,  
West Bengal – 731 235  
E-mail:mandalnc@rediffmail.com  
Mobile: 9434016026/ 9434759390

Subject: Renewal of Registration and Reconstitution of Institutional Animals Ethics Committee (IAEC)-regarding

Sir,

The registration of Animal House Facility of your establishment with CPCSEA has been renewed for a period of five years from the date of issue of this letter.

2. The new registration number of Animal House Facility of your establishment is 1819/GO/Re/S/15/CPCSEA for Research for Education purpose on small animals. Henceforth, the new registration number may be quoted in all your future correspondence with this office.

3. The CPCSEA has accepted the following members recommended by the establishment.

Name of the IAEC Members	Designation in IAEC
1) Prof. Narayan Chandra Mandal	Biological Scientist cum Chairperson
2) Dr. Larisha M. Lyndem	Scientist In charge of Animal House Facility cum Member Secretary
3) Prof. Saroj Kumar Pyne	Veterinarian
4) Prof. Ansuman Chattopadhyay	Scientist from different biological discipline
5) Dr. Narottam Dey	Scientist from different biological discipline

Cont...

5वां तल, वायु ब्लॉक, इंदिरा पर्यावरण भवन, जोर बाग रोड, नई दिल्ली-110003  
टेलीफेक्स : 011-24695424 ईमेल : [cpcsea-mef@gov.in](mailto:cpcsea-mef@gov.in), वेबसाइट : <http://cpcsea.nic.in>

5th Floor, Vayu Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003  
Telefax : 011-24695424, Email : [cpcsea-mef@gov.in](mailto:cpcsea-mef@gov.in), Website: <http://cpcsea.nic.in>





-2-

4. CPCSEA hereby nominates the following members to the Institutional Animals Ethics Committee (IAEC) of your establishment:

Details of Nominee(s)	Nominated as
1) Dr. Sunit Kumar, Mukhopadhyay 72/25 Dr. Milmoni Sarkar, Nopara, Baranagar, Kolkata – 700090, West Bengal Contact No:09433036799 Email :skmpath@gmail.com	Main Nominee
2) Dr. Sukumar Manna, 56A-Danesh Seikh Lane, Flat-D2, Howrah-711109, West Bengal Contact No :09433119608 Email :drmannasukumar@gmail.com	Link Nominee
3) Dr. Praksh Geriyol Principal Research Scientist, Head of Toxicology Department, Krish Biotech Research Pvt Ltd (OECD GLP Certified Facility) T-1, QK-17 (Part) WBIIDC, Phase III Kalyani, Nadia, West Bengal – 741235 Contact No :7890017066 Email :prakash.geriyol@gmail.com	Scientist from outside the Institute
4) Dr. Sharmistha Biswas B.J. 145, Sec II, Salt Lake, Kolkata - 700091, West Bengal Contact No :9903408977 Email :drsharmisthabiswas@rediffmail.com	Socially Aware Nominee

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

5. The IAEC is valid for a period of five years and is coterminous with renewed period of registration. IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines.

6. You are requested to convene the meeting of the re-constituted IAEC within a period of 30 days and upload the same on the website of the CPCSEA.

Cont.



भारत सरकार  
पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय  
पशु कल्याण प्रभाग  
पशुओं पर परीक्षण के नियंत्रण एवं पर्यवेक्षण के प्रयोजनार्थ समिति (सीपीसीएसआईए)  
Government of India  
Ministry of Environment, Forest and Climate Change  
Animal Welfare Division  
Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)




-3-

7. It is stated that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC meetings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six (6), and CPCSEA Nominees must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. Socially aware member's presence is compulsory in cases referred to CPCSEA and atleast in one meeting in a calendar year. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.

8. It is also to inform you that before commencing any research on large animals you are required to send research protocols with due recommendation of IAEC to CPCSEA for further approval procedure for submission of Research Protocols is available on the website of CPCSEA). Further, you are required to fulfill the suggestions made by the earlier IAEC in the IAEC meeting held on 24.04.2018 and submit the compliance report at the earliest.

Yours faithfully,

  
(Jerome Minz)  
Deputy Secretary (AW) & Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure that the IAEC meetings are held regularly as stipulated in the SOP of CPCSEA and submit the Annual Inspection Reports of the Animal House Facility regularly on the Website of CPCSEA.

The Main Nominee is requested to conduct the Inspection of Animal House Facility within a period of 30 days and submit the Inspection Report on the Website of CPCSEA.





Government of India  
Ministry of Environment, Forest and Climate Change  
Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)  
5<sup>th</sup> Floor, Vayu Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

## CERTIFICATE

*This is to certify that the registration of Animal House Facility of Visva-Bharati, Santiniketan, West Bengal with CPCSEA has been renewed for Research for Education purpose on Small Animals bearing registration number 1819/GO/Re/S/15/CPCSEA.*

*The registration is valid for five years from 31/08/2018 to 30/08/2023.*

(Jerome Minz)

Deputy Secretary (AW) & Member Secretary (CPCSEA)

**JEROME MINZ**  
Member Secretary (CPCSEA)  
Min. of Environment, Forest & Climate Change  
Government of India  
Jor Bagh Road, New Delhi

## **STANDARD OPERATING PROCEDURE (SOP) FOR INSTITUTIONAL ANIMAL ETHICS COMMITTEE, VISVA-BHARATI, SANTINIKETAN, WEST BENGAL**

**1. Objective of Research and experimentation:** This is covered by provisions of the Prevention of Cruelty to Animals Act, 1960 (amended in 1982) and Rules of Breeding of and Experiments on Animals (Control & Supervision) 1998 (amended in 2001 and 2006) framed under the PCA 1960. Government has constituted a Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) under the provision of Section 15 of PCA Act 1960. Institutional Animal Ethics Committee (IAEC) is a local body, approved by CPCSEA, which has been empowered to permit experiments on small animals through an amendment in Rules for Breeding and Experiments on Animals (Control and Supervision) in year 2006. Institute has adopted SOP from CPCSEA for making guidelines for IAEC working in the University to ensure the effective and responsible functioning of IAEC.

**2. Functions of Institutional Animal Ethics Committee (IAEC):** IAEC means a body comprising of a group of persons recognized and registered by the CPCSEA performed in an establishment which is constituted and operated in accordance with procedures specified for the purpose by the Committee. IAEC accords quality and consistency in review of research proposals and to prevent infliction of unnecessary pain & sufferings before, during and after experiments on animals. IAEC is providing independent, competent and timely review of the ethics of proposed studies before the commencement of a study and regularly monitor the ongoing studies. IAEC reviews and approves all research proposals involving small laboratory animal experiments only, with a view to assure quality maintenance and welfare of animals used in pre-clinical research. IAEC ensures that experiments shall be performed in every case by or under the supervision of a qualified person (Veterinarian/Scientist from Biological background) and under the responsibility of the Principle Investigator (PI). Every experimenter must be experienced enough in animal experimentation either during education or by training. IAEC reviews the proposals before start of the study as well as monitor the research throughout the study and after completion of the study through annual reports, final report. The committee also ensures compliance with all regulatory requirements, applicable guidelines and laws under CPCSEA.

**3. Inspection of Animal House:** IAEC also monitor and inspect the housing of animals and ensure that it is as per stipulated conditions and standards. Experiments are checked that animals which in course of the experiments are so deeply anesthetized / injured / suffering from severe pain with poor prognosis / recovery would involve serious sufferings and are euthanized as per specified norms. Ensure that required records are maintained with respect to experiments performed on animals. Ensure that animals intended for the performance of experiments are properly cared before and after experiments.

**4. Composition and Constitution of IAEC: IAEC includes 9 members as described below:**

***A. Institutional Members: (5 members from Visva-Bharati, Santiniketan)***

1. Scientist In Charge Of Animals Facility
2. Veterinarian Involved In the Care Of Animal



3. Biological Scientist
4. Scientists from Different Biological Disciplines
5. Scientists from Different Biological Disciplines

***B. CPCSEA Nominated members: (3+1 members from outside institute)***

1. CPCSEA Main Nominee
2. CPCSEA Link Nominee
3. Scientist From Outside the Institute
4. Socially Aware Nominee

The Chairperson of the committee and Member Secretary are nominated by the institution. IAEC will be reconstituted for 5 years at the time of CPCSEA Registration renewal. Midterm reconstitution may be requested to CPCSEA in special cases viz. event of death, long time non-availability or violation in responsibilities of IAEC with details (CV and secrecy undertaking) of replacing member. Any replacement in IAEC members can be made only with the prior approval of CPCSEA.

**A. Meetings of IAEC:** A minimum of 6 members is required for quorum to conduct the meeting. Two Meetings of IAEC shall be held in 1 year as and when 5 or more than 5 study protocols will be submitted to Member Secretary, meeting will be organized as earliest possible to expedite the process of IAEC discussion and decision. Even if there are no projects, mandatory frequency of meeting will be maintained, to discuss the animal welfare and well being issues in the animal house. Member Secretary will maintain and provide all relevant record to the committee members. The Chairperson will conduct all meetings of the IAEC. If, for reasons beyond control, the Chairperson is not available, an alternate Chairperson will be elected by the members present from among themselves, who will conduct the meeting. The Member Secretary will be responsible for organizing the meetings, maintaining the records and communicating with all concerned. He/she will prepare the minutes of the meetings and get them signed by every member present in meeting for record purpose and further communication. Copy of minutes will be uploaded to CPCSEA website within 15 days of meeting, if no genuine cause of delay is in existence. In every meeting visit to animal house will be mandatory agenda.

**B. Animal Experimentation Application Procedure:** Application procedure is open round the year. It is advised to submit animal study protocols without waiting for notification of IAEC meeting that will avoid the last minute hurry. Animal Research projects will be submitted to Member secretary, IAEC, Visva-Bharati in prescribed application format. The Member Secretary will acknowledge the receipt of study protocol and indicate any lacunae. Missing information should be supplied within one week. Member Secretary, IAEC will maintain the application, review, modification/cancellation of animal experimentation related documents. Member Secretary, IAEC will maintain the communication to PI and send the proposals to all members at least 2 weeks in advance. The decision will be made by consensus after discussion and shall be recorded in the minutes' book and approval of Chair Person will

be taken along with signature of all members present in meeting. Minutes will be confirmed during the next meeting. The minutes of each meeting will be stored with the Member Secretary, IAEC.

***Element of Review Protocol will be reviewed ensuring following criteria:***

1. Scientific design and conduct of the study.
2. Approval of scientific review committee and regulatory agencies.
3. Assessment of predictable risks/harms to the animal vs advantage of research outcome.
4. Protocol and proforma of the study.
5. Judicious number of animal allotment and usage in the study.
6. Plans for data analysis and reporting.
7. Adherence to all regulatory requirements and applicable guidelines.
8. Competence of investigators, research and supporting staff.
9. Facilities and infrastructure in the animal house/respective department.

Only members will make the decision and the decisions shall be taken in the absence of investigators. Decision may be approve, reject or revise the proposals. Specific suggestions for modifications and reasons for rejection should be given. In cases of conditional decisions, clear suggestions for revision and the procedure for having the application re-reviewed should be specified. Modified proposals must be submitted to the Member Secretary, IAEC, within 1 week from the date of notification. Chairman, IAEC, Member Secretary IAEC and CPCSEA Nominee will sign on study protocol certificate after clearance of identified members. Without fail annual progress report will be submitted to IAEC by PI. Final report will be submitted to the IAEC by PI. Any new information related to the study will be communicated to IAEC by PI. Premature termination of study will be notified with reasons along with summary of the data obtained so far.

C. Record Keeping and Archiving: All following documents must be stored for a period of five years.

1. Curriculum Vitae (CV) and secrecy undertaking of all members of IAEC.
2. Minutes of all meetings duly signed by all members present in meeting.
3. Copy of all correspondence with members, researchers and other regulatory bodies.
4. Copy of existing relevant national and international guidelines on research ethics and laws along with amendments.
5. All study related documents (study projects/protocol with enclosed documents, progress reports) will be archived for minimum of five years after the completion of study. A copy of filled proforma related to the projects shall remain with the PI for minimum of five years. All relevant information on Animal ethics



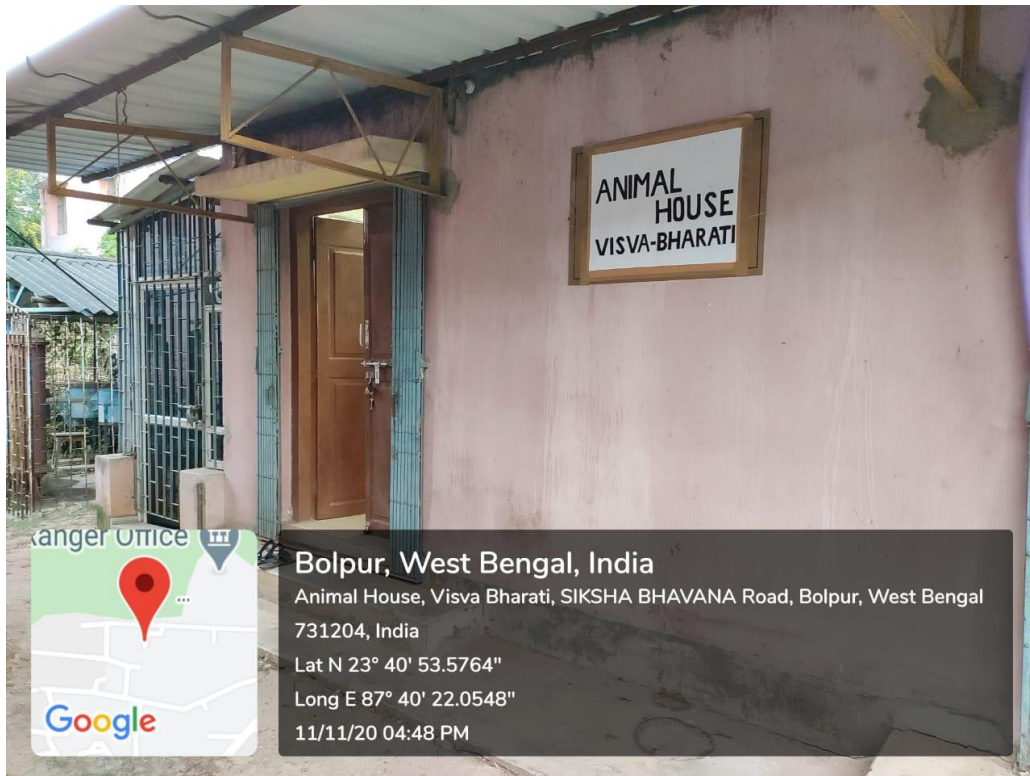
will be brought to the attention of the members of IAEC cumulatively by every member. Member Secretary, IAEC will upload the minutes of meeting to CPCSEA website through user (establishment) login. Also a hard copy will be sent to CPCSEA. Web address of CPCSEA is: <http://cpcsea.nic.in> email is : cpcsea.moef@gmail.com and postal address is: Member Secretary, CPCSEA Ministry of Environment, Forests and Climate Change (Animal Welfare Division) 5th Floor, Vayu Block Indira Paryawaran Bhawan Zorbagh Road, New Delhi-110 003.

Reimbursement to CPCSEA representative(s) of the IAEC Visva-Bharati will be paid by the Institute as per latest notification of CPCSEA.

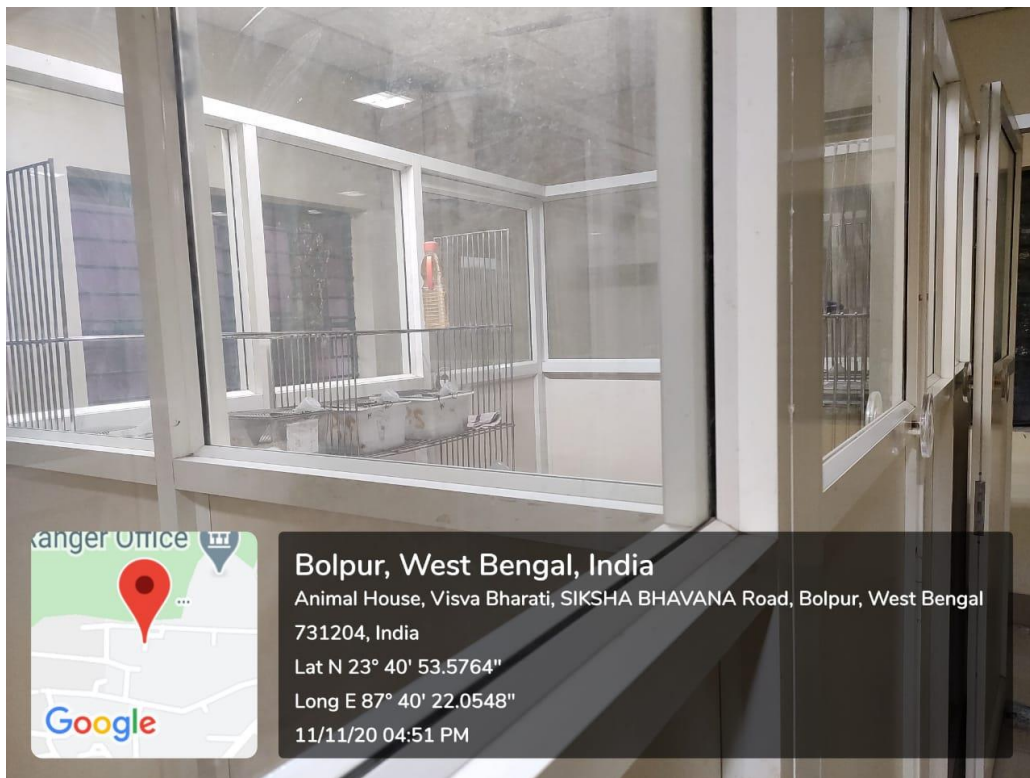
LIST OF MEMBERS OF VISVA-BHARATI, IAEC (2018-2023), Registration No.1819/GO/Re/S/15/CPCSEA

<b>Sl No.</b>	<b>Name</b>	<b>Designation</b>
1	Prof. Narayan Chandra Mandal	Chairperson (Existing Member)
2	Prof. Sunit Kumar Mukhopadhyay	IAEC Main Nominee (Existing Member)
3	Dr. Sukumar Manna	Link Nominee (Existing Member)
4	Dr. Prakash Geriyol	Scientist From Outside of the Institute (Existing Member)
5	Dr. Sharmistha Biswas	Socially Aware Nominee (Existing Member)
6	Dr. Jayanta Kumar Chatterjee	Veterinarian (New IAEC Member)
7	Prof. Ansuman Chattopadhyay	Scientist from different Biological Discipline (Existing Member)
8	Dr. Narottam Dey	Scientist from different Biological Discipline (Existing Member)
9	Prof. Larisha M. Lyndem	Member Secretary & Scientist in charge of animal facility (Existing Member)

**Animal House, Department of Zoology, Siksha Bhavana, Visva-Bharati**

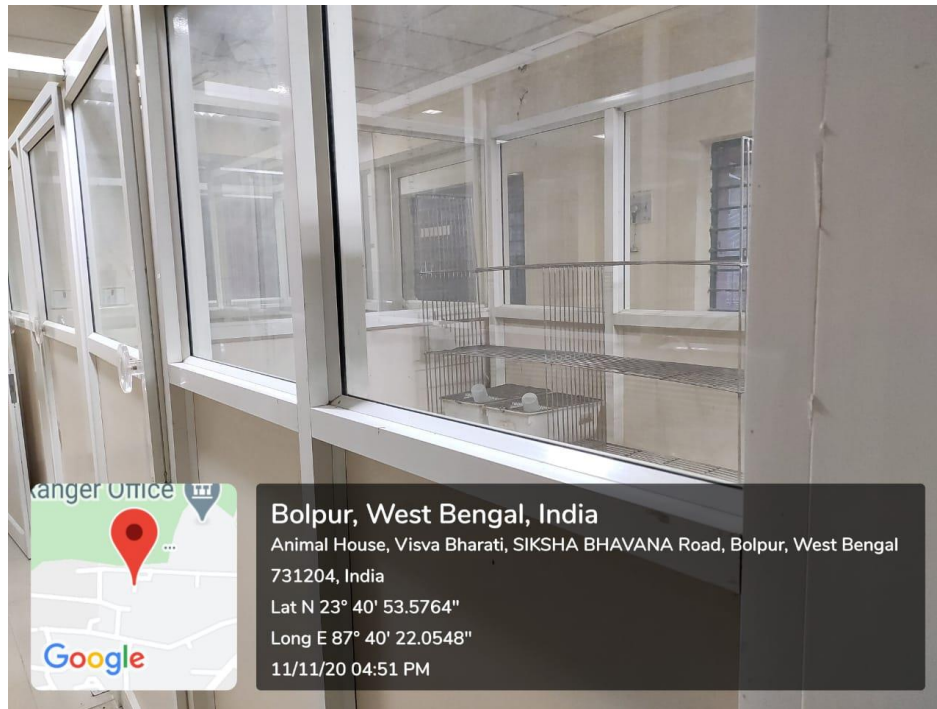


**Mice Room, Animal House, Department of Zoology, Siksha Bhavana, Visva-Bharati**

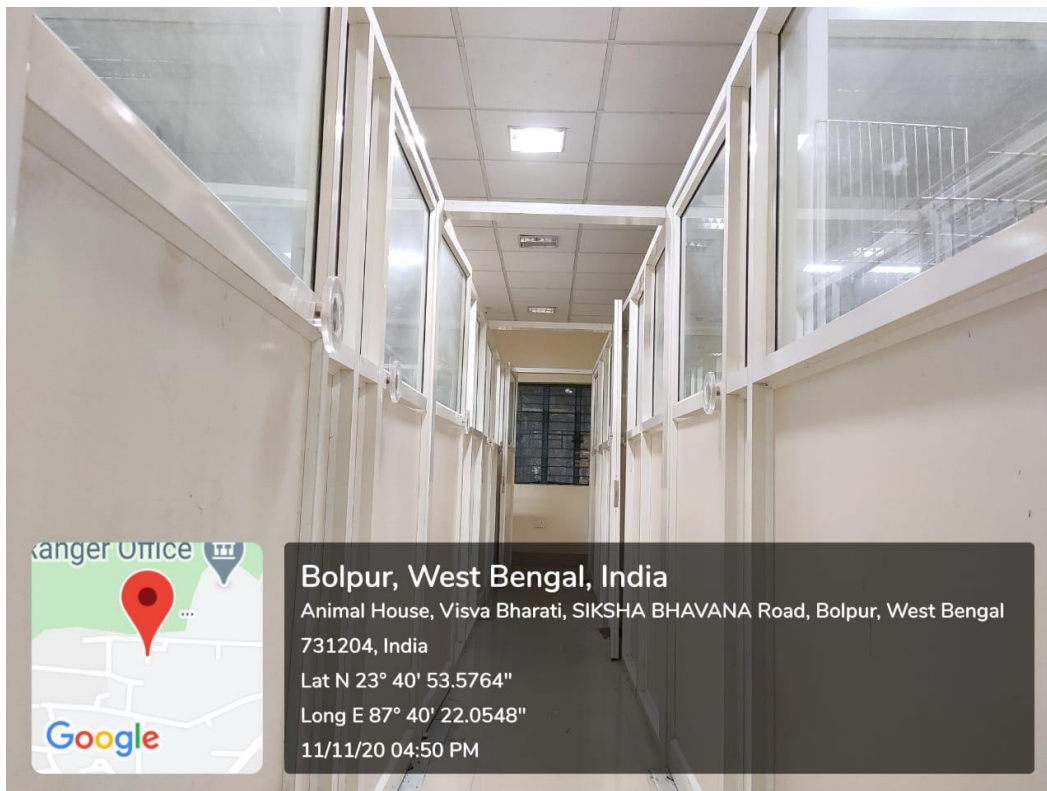




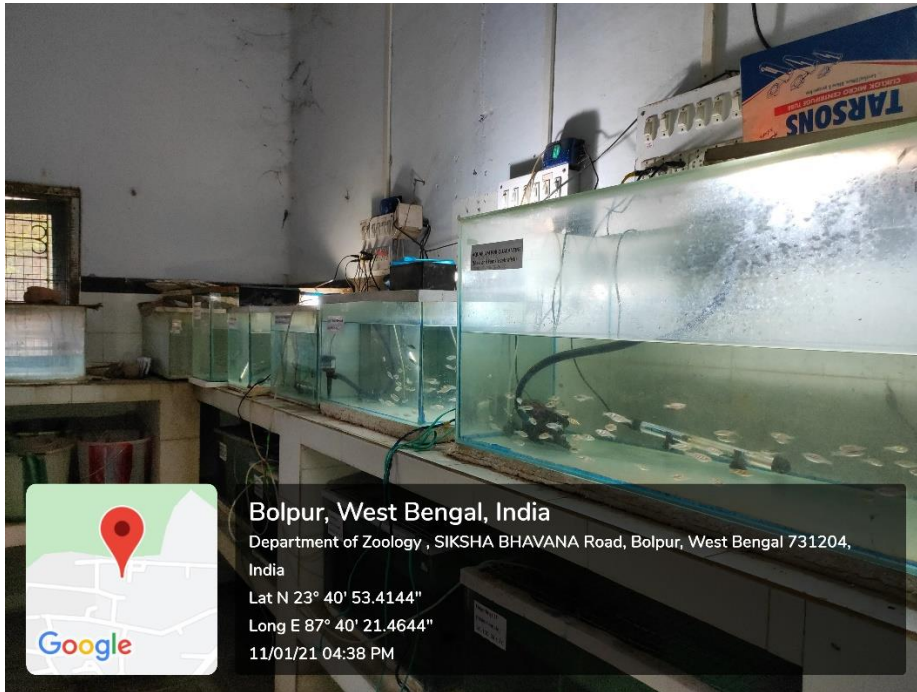
**Rat Room, Animal House, Department of Zoology, Siksha Bhavana, Visva-Bharati**



**Corridor in between Mice Room and Rat Room, Animal House, Department of Zoology, Siksha Bhavana, Visva-Bharati**



**Fish Room, Department of Zoology, Siksha Bhavana, Visva-Bharati**



**Bolpur, West Bengal, India**

Department of Zoology , SIKSHA BHAVANA Road, Bolpur, West Bengal 731204,  
India

Lat N 23° 40' 53.4144"

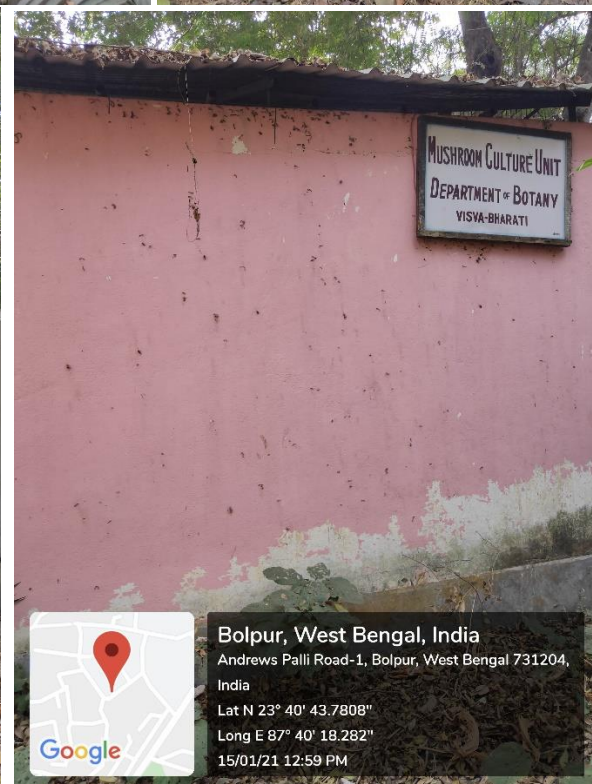
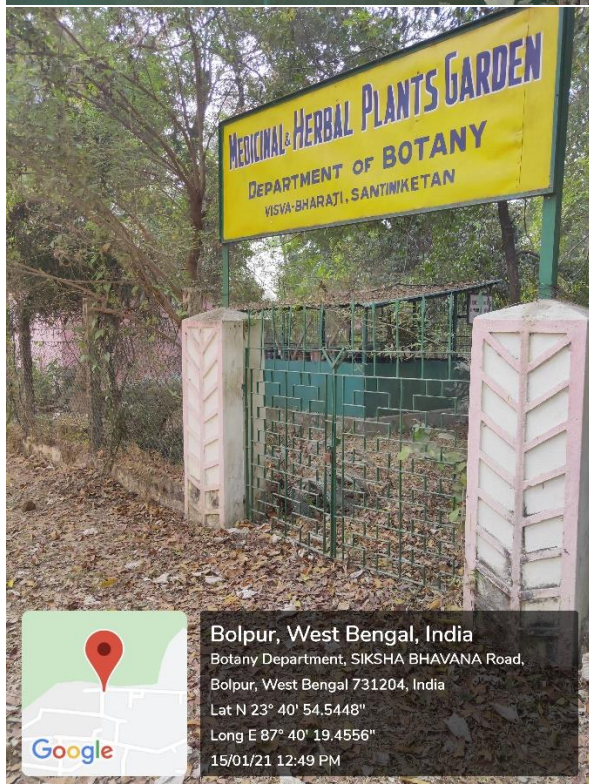
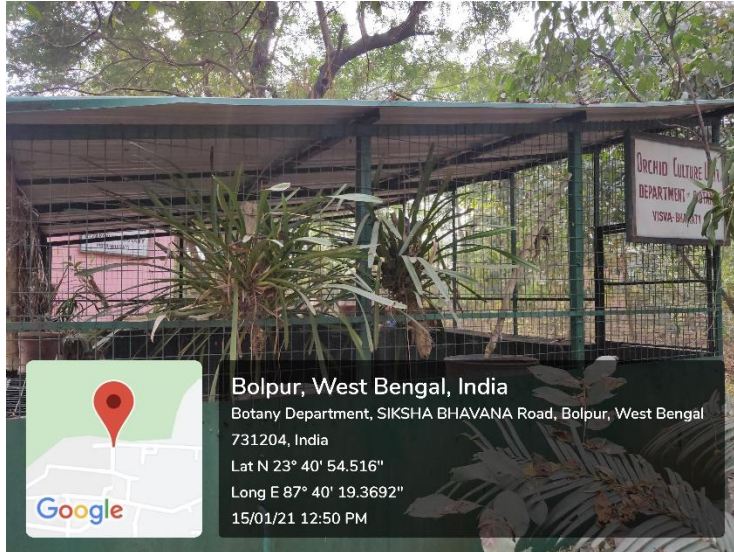
Long E 87° 40' 21.4644"

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## GARDEN

The Department of Botany maintains a garden which harbours various medicinal and herbal plants. The garden has Vitex, Terminalia, Syzigium, Bixa, Holarena, Bauhinia, Delonix, Sonerratia, Plumbago etc. It also maintain pteridophytes, such as Lygodium japonicum, Ophioglossum, Selaginella etc. Along with these, there is an orchid culture unit, where orchids such as Dendrobium, Doritis, Aeridis, Cymbidium, Vanda etc. are maintained.



## **3.1.5 Facilities to support research**

### Museum

1. Rabindra Bhavana Museum
2. Kala Bhavana Nandan Museum
3. Museum and Archeology Lab,  
Department of Ancient Indian History  
Culture and Archeology



**Name of the facility: Rabindra-Bhavana**

**Year of Establishment: 1942**

## **History**

Founded in July 1942, just a year after Rabindranath Tagore's death, Rabindra-Bhavana, the Institute of Tagore Studies and Research is an important component of Visva-Bharati. It is, in fact, the focal point of the University. This Bhavana includes among its treasures a very major part of Tagore's manuscripts, correspondences, paintings and sketches. The poet's personal library is here and various objects used by him, his voice-recordings and thousands of photographs taken of him at different times and places and the many gifts, honours and citations which he received from different parts of the world have enriched the Bhavana's archival holdings.

## **Archives**

The holding in the archives section include several hundred manuscript volumes and files of the works of Rabindranath in Bengali and English. Detailed description of all items in the archives is provided in the Catalogue-in-progress. 1018 volumes of manuscripts, correspondences (1471 files) and other materials may be consulted by scholars in the original or in microfilm in the archives by following specific procedures.

## **Library**

The library has over 40000 volumes of books and over 12000 bound journals. It also includes in its collection the personal library of Rabindranath with many books with marginalia in Rabindranath's handwriting. Different editions of Tagore's works, books and translated works of the Poet form the core of this library. A valuable section is the Pamphlet Collection which includes programme souvenirs of Rabindranath's plays, various monographs, old and rare bulletins published by Visva-Bharati among other collections.

## **Museum**

Rabindra-Bhavana Museum is a biographical museum of Poet Rabindranath Tagore. This Museum was established by his son Rathindranath Tagore on 1 July, 1942. In 1958, Jawaharlal Nehru laid the foundation stone of a building to house a museum and the same was inaugurated in 1961. This is a biographical museum on Rabindranath Tagore with huge collection (about 4385 as on 31-03-2019) of objects. The main gallery emphasizes on the Life of Rabindranath Tagore and located on the 1st floor of the Vichitra Building. The 'Gitanjali Gallery' on the ground floor of Vichitra is a special gallery on Rabindranath's Nobel-winning book of poems Gitanjali. Apart from the six historical houses of Rabindranath and his family at Uttaratana, Rabindra-Bhavana manages a museum at the Santiniketan Griha.

## **Audio Visual Unit**

The audio-visual archives hold voice recordings of Rabindranath in wire, tape and disc. Besides, it has negatives of photographs of Rabindranath and Santiniketan. Apart from films on Rabindranath or films based on his stories and poems, films on Santiniketan are also preserved here. Discs of Tagore songs sung by various artists also constitute a growing part of the audio-visual collection. This unit has a complete set of colour transparencies of Rabindranath's paintings preserved in the Bhavana collection.

## **Preservation Unit**

This is an important unit which looks after the preservation and conservation requirements of the archives, library and the museum. Fumigation, deacidification, restoration, lamination, tissue repair and binding of archival and library materials are carried out in this unit. The services of this unit are restricted to Rabindra-Bhavana only.



# The Central Building, Rabindra-Bhavana



# The Central Building, Rabindra-Bhavana







Udaipur India



LONGITUDE  
87°41'2"E

LATITUDE  
23°40'56"N

Thursday 06.Aug.2020

MUSEUM GALLERY



Udaipur India



LONGITUDE  
87°41'3"E

LATITUDE  
23°40'56"N

Thursday 06.Aug.2020

03:14

GITANJALI GALLERY



### LIPIKA MANUSCRIPTORIUM



Bolpur India  
LONGITUDE 87°41'24"E LATITUDE 23°40'51"N  
Thursday 06.Aug.2020 33°C 12:55 PM

### MUSEUM



Bolpur India  
LONGITUDE 87°41'2"E LATITUDE 23°40'56"N  
Thursday 06.Aug.2020 03:26 PM

### MUSEUM GALLERY



Bolpur India  
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Thursday 06.Aug.2020 30°C 03:26 PM



# Kala-Bhavana Nandan Museum



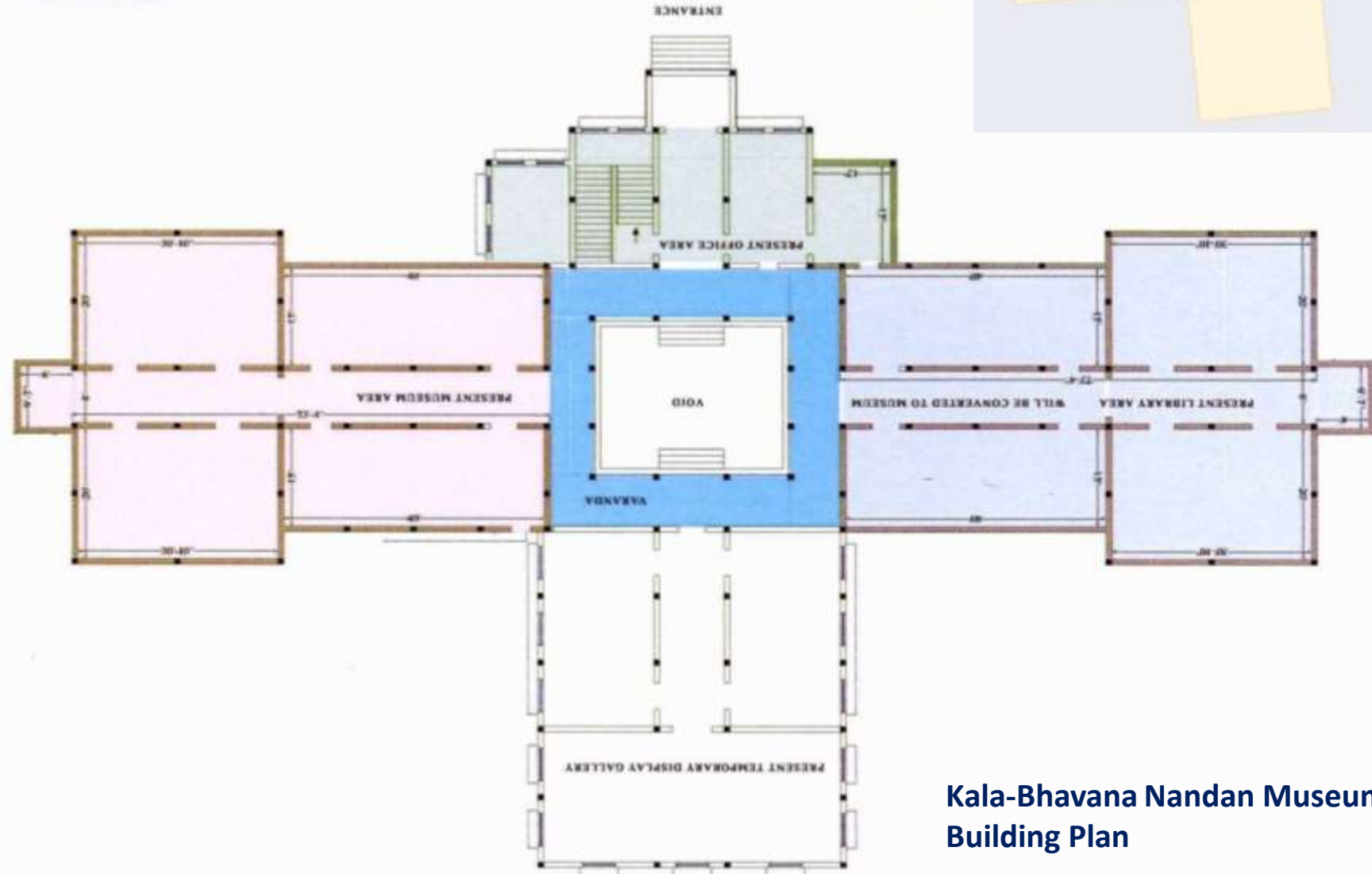
Visva-Bharati  
Santiniketan  
Birbhum, West-Bengal, India, Pin- 731235.







**Nandan Art Museum And Gallery**  
Santiniketan, West Bengal 731235  
23.681691, 87.683872



**Kala-Bhavana Nandan Museum  
Building Plan**

## Kala-Bhavana Nandan Museum : A Brief History



Kala Bhavana was established by Rabindranath Tagore to encourage the cultivation of the fine arts by the students of the institution in general as an indispensable part of a complete education.

Kala Bhavana aimed at fulfilling an intrinsic objective of Visva-Bharati, namely to encourage the study of different traditions of art in India and other countries.

It also sought to initiate a new art movement in India under the inspiration of Abanindranath Tagore and his distinguished disciples through fresh art beliefs as also new art forms and techniques.

The Museum of this art institution began during the year in 1919—when Kala Bhavana (the Faculty of Fine Arts) was founded by Rabindranath Tagore. ‘Nava-Nandan’ the new building of Kala Bhavan Museum was setup in the year 1965, and it was inaugurated by Nandalal Bose.





# Nandan Museum Collection



The Kala-Bhavana Nandan Museum holdings grew out of a study collection that Nandalal Bose put together to support the new art programme he was developing in response to Rabindranath's ideals of education and cultural resurgence.

Though his means were limited because his vision of art was large and the energy with which he pursued it ceaseless he did manage to put together a formidable collection of selected art works.

Besides being a material trace of Nandalal's pedagogy there are two things notable about this collection.

Firstly, reflecting the pan-Asian spirit of the times the collection has rich holdings of Asian art which gives this museum a unique place among Indian Museums.

And secondly the works in this collection reflects the eclectic and refined aesthetic taste of Nandalal.



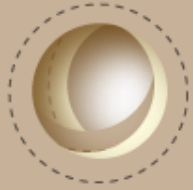
## Collection Detail

At present the collection has over 21,760 artworks. They include a modest cross-section of the work of the great pioneers of the new art movement.



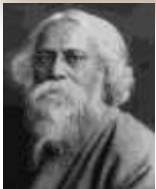
# Paintings

## Legendary Artists of India



Rabindranath Tagore  
Abanindranath Tagore  
Gaganendranath Tagore  
Jyotrindranath Tagore  
Nandalal Bose  
Jamini Roy  
Sunayani Devi  
O. C. Ganguly  
Binodebehari Mukherjee  
Ramkinkar Baij  
Asit Haldar  
Suren Kar  
Mukul Chandra Dey

Dhirendra Krishna Dev Barman  
Manindra Bhusan Gupta  
Haren Das  
Ramendranath Chakraborty  
Samarendranath Gupta  
Gouri Bhanja  
Sudhir Khastagir  
Gopal Ghosh  
Pratima Tagore  
Rathindranath Tagore  
Kripal Singh Sekhawat  
Vinayak Masoji



# Paintings

## Contemporary Artists of India



Chittaprasad Bhattacharya  
K.G. Subramanyan  
Zainul Adedin  
Maqbul Fida Hussain  
Dinkar Kowshik  
Tyeb Mehta  
Arun Bose  
Krishna Reddy  
Somnath Hore  
A. Ramachandran  
Jaya Appaswamy  
Partha Protim Dev  
Amitabha Banerjee  
Shyamal Dutta Roy  
Paramjit Singh  
Arpita Singh

Bikash Bhattacharya  
Ganesh Haloi  
R. Panesar  
Jogen Choudhury  
Sanat Kar  
Isa Muhammad  
Ramananda Bandyopadhyay  
Suhas Roy  
Prithwish Neogi  
Avtar Singh Panwar  
Bipin Goswami  
Lalu Prasad Show  
Sarbari Roy Choudhury  
Anjali Ela Menon  
Satyajit Ray  
Ajit Chakraborty





# Paintings

# Artist Abroad



Nicholas Roreich (Russia)

E. B. Havell (England)

Ling Wen-Yi (China)

W. W. Pearson (England)

J. Roreich (Russia)

Elizabeth Brunner (Hungary)

Antoine Bourdelle (France)

Ju Peon (China)

Simomura Kanzan (Japan)

Boris Georgiev (Bulgaria)

Yokoyama Taikan (Japan)

Henry Lamb (England)

C. F. Andrews (England)

Sutan Harap (Thailand)

Huang Ku (China)

J. Pimenov (Russia)

Gustav Vigeland (Norway)

H. Hermony



# Folk and Decorative Art



Kalighat Painting  
Lucknow Bird  
Patna School of Painting  
Mughal Miniature  
Rajasthani Miniature  
Persian Painting  
Glass Painting  
Decorative wood cuts  
Orissan Patta Painting  
Bengal Patta Painting  
Ganjifa Card  
Tibetan Thanka

Japanese Noh-mask  
Ceylonese Mask  
Bengal Mask  
Temple Terracotta  
Terracotta Toys  
Bengal kantha  
Java Batik  
Indian Batik  
Tapas  
Quilts  
Embroideries  
Jewelry





# Miscellaneous Collection



- Stone and Terracotta sculpture from various part of Eastern India
- Bronzes and wood works from India, Thailand and Indonesia.
- Photographic reproductions and Prints of the work of Europe and Far-Eastern masters.
- Select examples of Coins, Pottery and Lacquer ware.
- Miscellaneous functional items like Utensils, Lamps, baskets, fans, food moulds, toys and puppets, etc.



## **DISTINCTIVE COLLECTIONS OF THE MUSEUM**

- Paintings of Rabindranath Tagore.
- Ceramic pot by Rabindranath Tagore.
- Painting of E.B Havell.
- 'Horse', 'Sparrow' by Ju Peon.
- 'Blind monk' by Shimamura Kanzan.
- 'Force' by Antoine Bourdelle.
- 'Alamgir' and 'Troyee' by Abanindranath Tagore.
- Copy of Ajanta cave paintings by Nandalal Bose and others.
- Sculpture of 'Tagore', 'Gandhiji', 'Binodini' by Ramkinkar Vaij.
- Masks from Japan and Sri Lanka.
- Scroll Painting of Japan and China.
- Japanese woodcut prints.
- Java Batik.





'Blind monk' by Shimamura Kanzan



'Landscape' by Rabindranath Tagore



Painting by E. B. Havell



'Horse' by Ju Peon

Distinctive Collections  
of the Museum

A yellow rectangular tag with rounded corners and a dashed border. A circular hole is punched in the top-left corner. The tag is attached to a brown paper strip at the top.

# Paintings

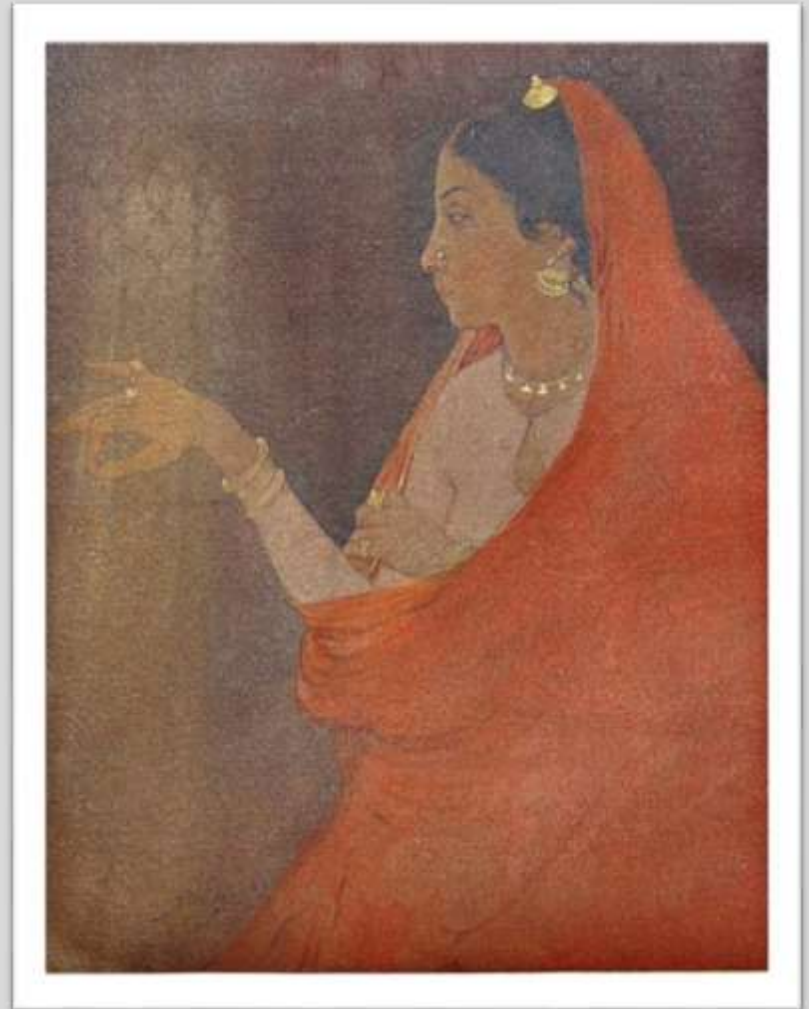
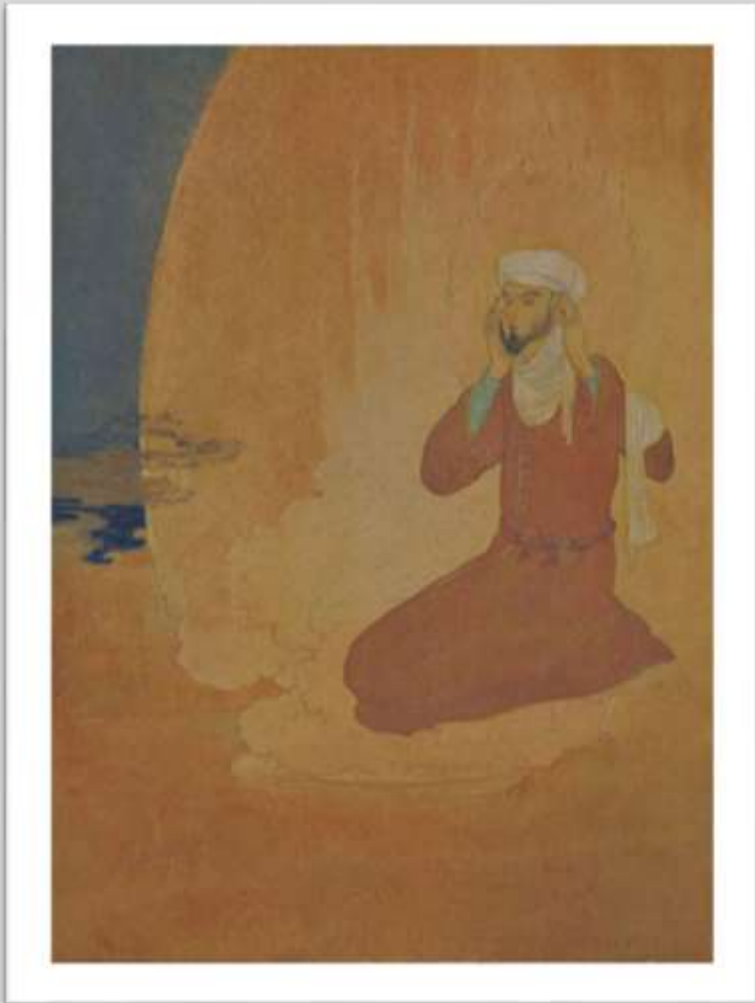
Kala-Bhavana Museum Collection



# Painting Rabindranath Tagore



# Painting Abanindranath Tagore





# Painting

Gaganendranath Tagore



# Painting

Nandalal Bose





# Painting

Benodebehari Mukherjee



# Painting

Ramkinkar Vaij





# Painting

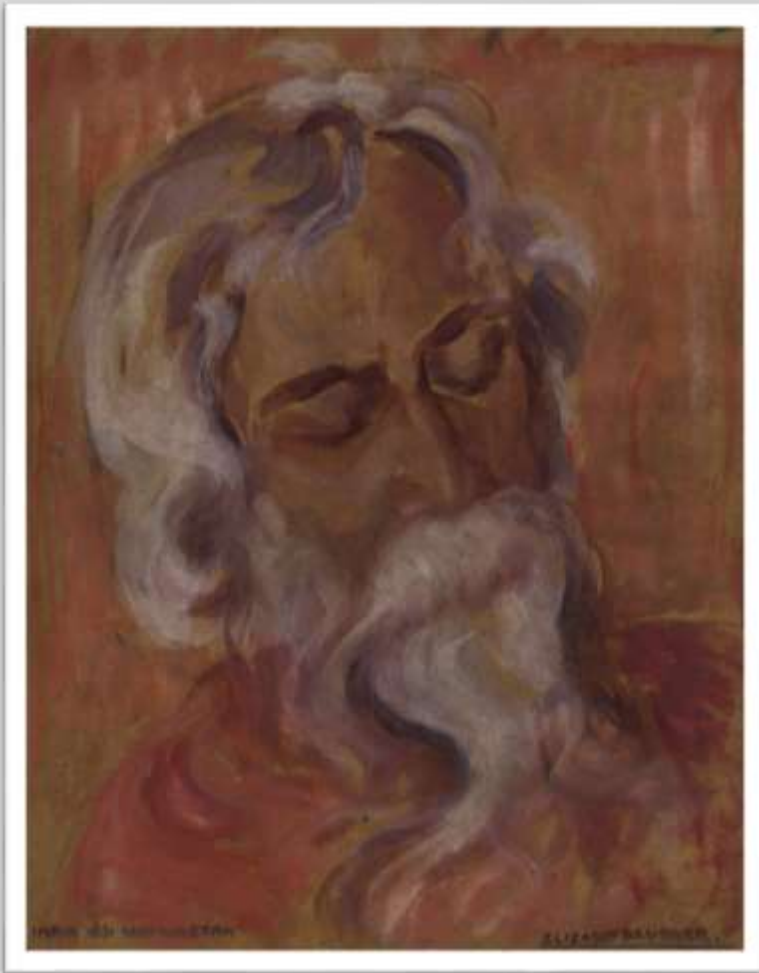
Nicholas Roerich and E.B. Havell



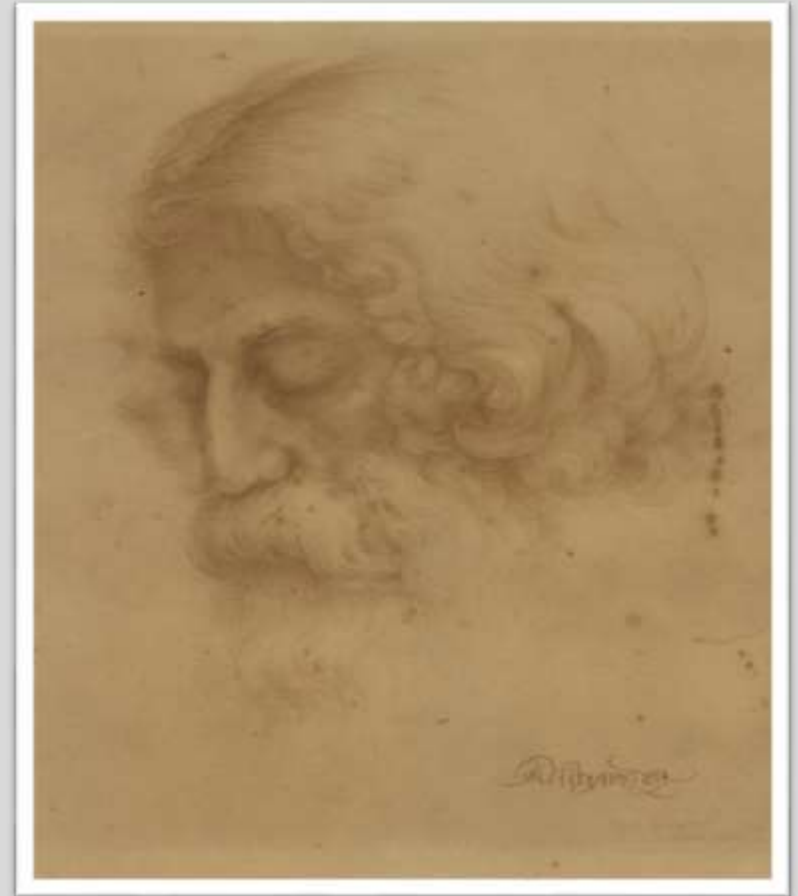
# Portrait of Rabindranath Tagore

## Painting

Elizabeth Brunner and Boris Georgiev



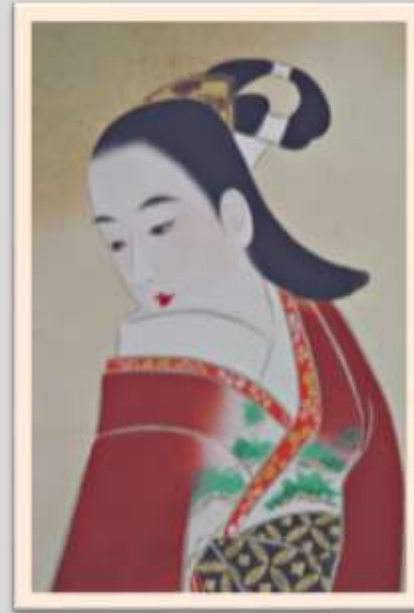
By Elizabeth Brunner



By Boris Georgiev



# Paintings from China and Japan



A yellow rectangular tag with rounded corners and a dashed border, featuring a hole punch in the top-left corner. The tag is set against a white background with a brown paper-like texture in the top-left corner.

**Folk Art, Decorative Art**

**&**

**Miscellaneous Collection**



# Bengal Kantha





# Java Batik and Santiniketan Batik



Block used  
for Print



# Terracotta



Bastar, Madhya Pradesh



Temple Terracotta, West Bengal



Manasha Chali, West Bengal

# Museum Activities



# Museum Activities

Kala-Bhavana Nandan Museum basically an Academic Museum. The museum offers educational material for students according to the specific curriculum subjects as depicted by the Kala-Bhavana.

Along with this :

- The museum provide supports to Scholars, students and others like high dignitaries and visitors approved by the Authorities.
- Arranges National and International exhibitions to build up cultural contact with country around the world.
- Digitalisation and accessioning for the proper documentation of artworks.
- The museum also carryout Conservation, preservation and Integrated pest management to save the heritage.



# Exhibitions Conducted by the Museum



# Exhibitions

## Some Important Exhibitions Conducted by the Museum

### Centenary Exhibitions

- Birth Centenary Exhibition of Benode Behari Mukherjee
- Birth Centenary Exhibition of Ramkinkar Baij
- Birth Centenary Exhibition of Gouri Bhanja
- Nishikanto Raychaudhuri Centenary Exhibition, Aurobindo Institute, Kolkata
- 150th birth anniversary Exhibition of Rabindranath Tagore
- 150th birth anniversary Exhibition of E. B. Havell's Painting.

### Retrospective Exhibitions

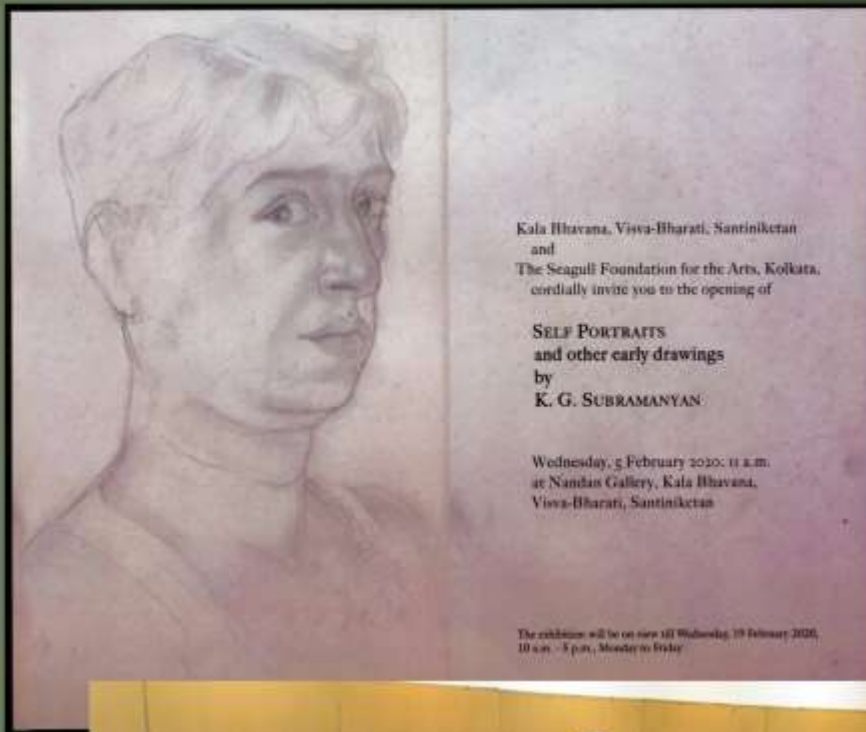
- Retrospective Exhibition of Dinkar Kowshik
- Retrospective Exhibition (Paintings, Drawings & Posters) of Somnath Hore
- Retrospective Exhibition (Drawings & Paintings) of Arun Paul
- Retrospective Exhibition of Jogen Chowdhury


# Exhibitions

## Exhibitions Conducted by the museum in the year 2019 -2020

- Exhibition of Reba Hore (Seagull Foundation).
- Exhibition of Max Neumann (Seagull Foundation).
- Exhibition of Asit Kumar Haldar (Kala-Bhavana Museum)
- Centenary Exhibition of Kala-Bhavana (Nandalal Bose by Kala-Bhavana Museum)
- Exhibition of Gandhiji (EXIM Bank)
- Exhibition of *Pattochitra* (Painting Department, Kala-Bhavana)
- Centenary Exhibition of Kala-Bhavana's Old Photograph Radhakrishnan)
- Exhibition of Siksha Satra, Visva-Bharati.
- Exhibition of Janhavi Khemka.
- Exhibition of Ramchandran and Chameli Tan.
- Special Lecture on Satyajit Ray's Illustrations by Debasish Deb.
- Centenary Exhibition of Kala-Bhavana (Jogen Chowdhury's Painting)
- Exhibition of Arun Paul.
- Centenary Exhibition of Kala-Bhavana (Japanese collection, Kala-Bhavana Museum).
- Exhibition of Kala-Bhavana Alumni.
- Centenary Exhibition of Kala-Bhavana woodblock print (Jotirmoy Bhattacharya's Collection).
- Exhibition of K. G. Subramanyan (Seagull Foundation).








**Export-Import Bank of India  
and  
Visva-Bharati University**

cordially invite you to the inauguration of  
**Relive the Ideals of the Mahatma through Art**  
An exhibition of traditional paintings on the life and legacy of  
**Mahatma Gandhi**

**Monday, 12 August 2019, 11.30 am**  
at  
Kala-Bhavan, Nandan  
Visva-Bharati University, Santiniketan

The exhibition will remain open for visitors till  
**14 August 2019** from 10.00 am to 5.00 pm

Conceived as part of the 150<sup>th</sup> Birth Anniversary commemoration of Mahatma Gandhi, this exhibition endeavours to showcase the vision of those who were most significant in his journey as the Father of the Nation – the common people of India. Artists of 12 different states were commissioned to make paintings, based on various events from Mahatma Gandhi's life and legacy and popular art forms from all over India, including among others, Pichai, Gond, Pattachitra, Tanjore paintings.

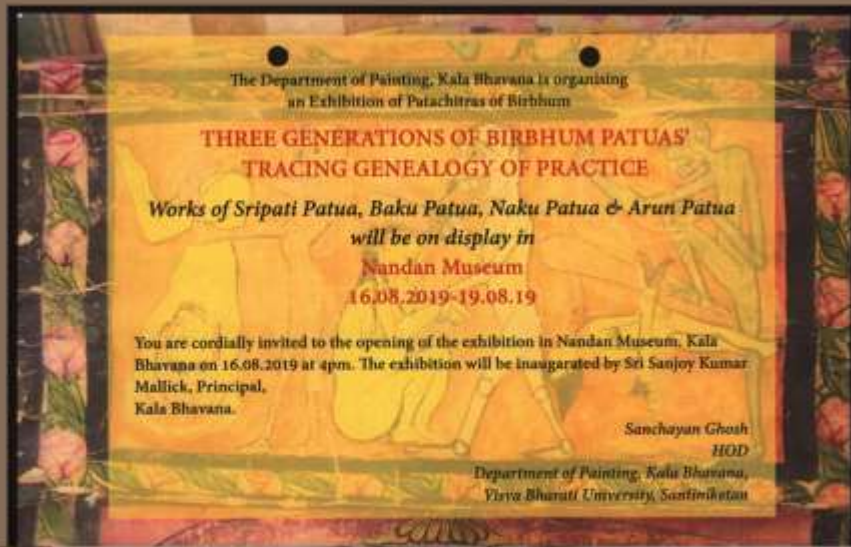














Asit Haldar





Kala-Bhavana, Visva-Bharati, Santiniketan feels honoured to invite you to the opening of an exhibition of visual objects celebrating Rabindranath Tagore & Santiniketan's relation with Japan

*Date:* 6th January 2020

*Time:* 10:00 am

*Venue:* Ground floor exhibition gallery, "Nandan", Kala-Bhavana

The exhibition will be inaugurated by Sri Masayuki Taga, Consul-General of Japan in Kolkata





# Conservation Work Conducted by the Museum



# Conservation

## Nature of work carried out in the Laboratory

- ❖ Preventive Conservation
- ❖ Curative Conservation
- ❖ Integrated Pest Management
- ❖ Condition Assessment of Art Object
- ❖ Monitoring of Micro and Macro Climate inside museum

# Conservation

## Preventive Conservation Carried out in the Laboratory

- Fungicidal treatment
- Insecticidal treatment
- Dry Brushing
- Removal of destructive backing
- Mounting with Acid free mount board
- Fixing of hinges



# Conservation

## Curative Conservation Carried out in the Laboratory

- Mechanical cleaning
- Solvent cleaning
- Removal of adhesive residue & old paper remnants
- stain removal
- De-acidification
- Lining
- Mending of tears
- Re-enforcement

Accession Number: New 01-00131-002 Old 431 Oldest 7-12-7 (A.T.28)

Artist Name: P. Banindranath Tare Signed/Unsigned: .....

Provenance: ..... Title/Description: A lady standing in front of a building

Dimensions: Image: 9.4 x 5.5 Support: 13.8 x 8.9 Recorded in Master Ledger: 9.2 x 5.4

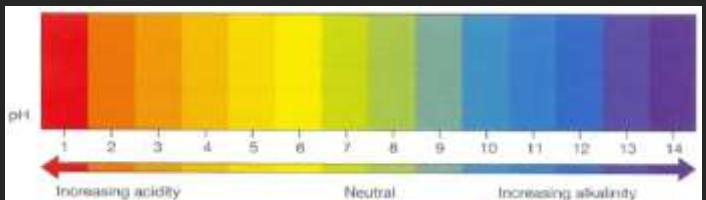
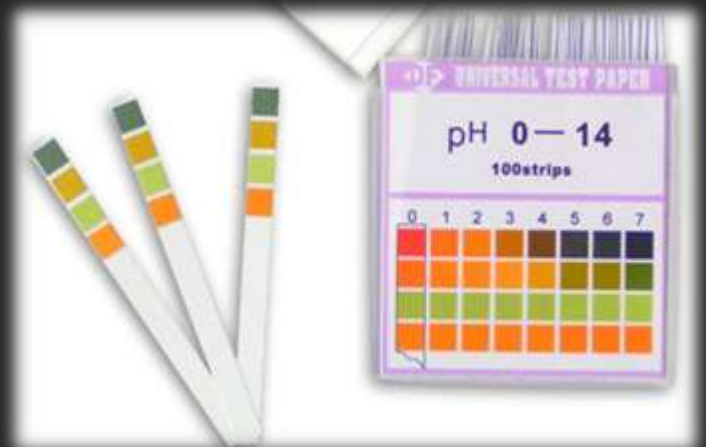
**CONDITION REPORT**

	CONSERVATION PRIORITY : A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> STORAGE PRIORITY : A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> CURATORIAL PRIORITY : A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>	
	Damage location key: <input type="checkbox"/> TL <input type="checkbox"/> TC <input type="checkbox"/> TR <input type="checkbox"/> CL <input type="checkbox"/> C <input type="checkbox"/> CR <input type="checkbox"/> BL <input type="checkbox"/> BC <input type="checkbox"/> BR	Storage Location: <u>1(4)</u>
	Digital Recorded: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
	Support: <u>paper</u> Media: <input type="checkbox"/> Monochrome <input checked="" type="checkbox"/> Polychrome <input type="checkbox"/> Pencil <input type="checkbox"/> Pastel <input type="checkbox"/> Pen & Ink <input checked="" type="checkbox"/> Water-Colour <input type="checkbox"/> Oil paint <input type="checkbox"/> Tempera <input type="checkbox"/> Gouache <input type="checkbox"/> Collage <input type="checkbox"/> Wash painting <input type="checkbox"/> Acrylic <input type="checkbox"/> Mix media <input type="checkbox"/> Others	

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> 01 Affixed to Cardboard         | <input checked="" type="checkbox"/> 17 Adhesive Stains               | <input type="checkbox"/> 33 Accretions Residue  |
| <input checked="" type="checkbox"/> 02 Affixed to Paper  | <input checked="" type="checkbox"/> 18 Tape Stains                   | <input type="checkbox"/> 34 Retouching Over paint                                     |
| <input type="checkbox"/> 03 Affixed to Mat               | <input type="checkbox"/> 19 Oil / resin stain                        | <input type="checkbox"/> 35 Surface coating   |
| <input checked="" type="checkbox"/> 04 Old Tapes         | <input type="checkbox"/> 20 Water or liquid stain                    | <input type="checkbox"/> 36 Embrittlement   |
| <input checked="" type="checkbox"/> 05 Paper Remnants    | <input checked="" type="checkbox"/> 21 Foxing or mold stain          | <input type="checkbox"/> 37 Losses  |
| <input type="checkbox"/> 06 Improper Hinges              | <input checked="" type="checkbox"/> 22 Other Stains                  | <input type="checkbox"/> 38 Holes   |
| <input type="checkbox"/> 07 Old Repairs                  | <input checked="" type="checkbox"/> 23 Surface dirt                  | <input type="checkbox"/> 39 Burnishing  |
| <input checked="" type="checkbox"/> 08 Adhesive Residue  | <input type="checkbox"/> 24 Insecure mounting                        | <input type="checkbox"/> 40 Abrasion  |
| <input checked="" type="checkbox"/> 09 General Darkening | <input type="checkbox"/> 25 Fragile due to extensive tearing         | <input type="checkbox"/> 41 Tears   |
| <input checked="" type="checkbox"/> 10 Surface Soiling   | <input type="checkbox"/> 26 Brittle or weak support                  | <input type="checkbox"/> 42 Creases   |
| <input type="checkbox"/> 11 Blurred Color                | <input type="checkbox"/> 27 Destructive backing                      | <input checked="" type="checkbox"/> 43 Folds  |
| <input type="checkbox"/> 12 Mat Burn                     | <input checked="" type="checkbox"/> 28 Possible destructive backing  | <input type="checkbox"/> 44 Cockling  |
| <input type="checkbox"/> 13 Light Damage                 | <input type="checkbox"/> 29 Destructive adhesive or tape             | <input type="checkbox"/> 45 Flattened plate mark                                      |
| <input type="checkbox"/> 14 Fading                       | <input checked="" type="checkbox"/> 30 Possibly destructive adhesive | <input type="checkbox"/> 46 Trimmed   |
| <input type="checkbox"/> 15 Fungus                       | <input type="checkbox"/> 31 Flaking of medium                        | <input type="checkbox"/> 47 Tide lines  |
| <input type="checkbox"/> 16 Insect attack                | <input type="checkbox"/> 32 Overall discolouration                   | <input checked="" type="checkbox"/> 48 Others <i>loss of surface layer with paint</i> |

**Additional Information :** *Upper side of the original painting rested with a Secondary Support, Surface layer with of paper with painting absence from the Lower Bottom side, half of an Incomplete work a painting clearly visible & present at the backside of original primary support.*

Condition Assessment of Object





# Condition Assessment of Object

## Written Documentation Format

### CONDITION REPORT

Reported by: \_\_\_\_\_

New Accession Number: \_\_\_\_\_ Old / Oldest Acc. No. : \_\_\_\_\_

Title / Description: \_\_\_\_\_

Artist Name: \_\_\_\_\_ Signed/ Unsigned: \_\_\_\_\_

Date/ Time Period: \_\_\_\_\_ Provenance: \_\_\_\_\_

Dimensions: Image \_\_\_\_\_ Support: \_\_\_\_\_ Present Storage Location: \_\_\_\_\_

**Purpose of Report:**  Conservation  Accession  Inventory  Other (\_\_\_\_\_)

#### Individual Components and Material Used:

Support: \_\_\_\_\_

Ink type: \_\_\_\_\_

Colour of Ink, Pigment or Dye : \_\_\_\_\_

Solubility of Ink, Pigment or Dye Used: \_\_\_\_\_

Additional Remarks: \_\_\_\_\_

#### Photographic Image:

#### Graphic Image:



### CONDITION REPORT



CONSERVATION PRIORITY : A B C D

STORAGE PRIORITY : A B C D

CURATORIAL PRIORITY : A B C D

Damage location key: \_\_\_\_\_ Storage Location: \_\_\_\_\_

TL  TC  TR  
 CL  C  CR  
 BL  BC  BR

Digital Recorded:  Y /  N

Support: \_\_\_\_\_

Media:  Monochrome  Polychrome

General Condition:  Excellent  Good  fair  Poor

Stability:  Stable  Unstable

Recommendations:  Treatment  Monitor  Other

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> 01 Dust / Dirt       | <input type="checkbox"/> 16 Water or liquid stain            | <input type="checkbox"/> 31 Powdering  |
| <input type="checkbox"/> 02 General darkening | <input type="checkbox"/> 17 Foxing or mold stain             | <input type="checkbox"/> 32 Puckering  |
| <input type="checkbox"/> 03 Adhesive residue  | <input type="checkbox"/> 18 Unknown Stains                   | <input type="checkbox"/> 33 Bulges     |
| <input type="checkbox"/> 04 Old repairs       | <input type="checkbox"/> 19 Warps/Wefts out of alignment     | <input type="checkbox"/> 34 Stretching |
| <input type="checkbox"/> 05 Surface soiling   | <input type="checkbox"/> 20 Broken Warps/Wefts               | <input type="checkbox"/> 35 Shrinking  |
| <input type="checkbox"/> 06 Loose threads     | <input type="checkbox"/> 21 Fragile due to extensive tearing | <input type="checkbox"/> 36 Wrinkles   |
| <input type="checkbox"/> 07 Fraying           | <input type="checkbox"/> 22 Previous mends / alterations     | <input type="checkbox"/> 37 Holes      |
| <input type="checkbox"/> 08 Pulls             | <input type="checkbox"/> 23 Weak support                     | <input type="checkbox"/> 38 Tears      |
| <input type="checkbox"/> 09 Light damage      | <input type="checkbox"/> 24 Destructive backing              | <input type="checkbox"/> 39 Creases    |
| <input type="checkbox"/> 10 Fading            | <input type="checkbox"/> 25 Insecure backing                 | <input type="checkbox"/> 40 Fold Lines |
| <input type="checkbox"/> 11 Fungus            | <input type="checkbox"/> 26 Destructive adhesive or tape     | <input type="checkbox"/> 41 Cockling   |
| <input type="checkbox"/> 12 Insect attack     | <input type="checkbox"/> 27 Overall <b>discolouration</b>    | <input type="checkbox"/> 42 Worn       |
| <input type="checkbox"/> 13 Adhesive stains   | <input type="checkbox"/> 28 Flaking of medium                | <input type="checkbox"/> 43 Trimmed    |
| <input type="checkbox"/> 14 Tape stains       | <input type="checkbox"/> 29 Tarnished metal threads          | <input type="checkbox"/> 44 Tide lines |
| <input type="checkbox"/> 15 Oil / resin stain | <input type="checkbox"/> 30 Brittle                          | <input type="checkbox"/> 45 Others     |

#### Proposed Conservation Treatment/ Remark:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

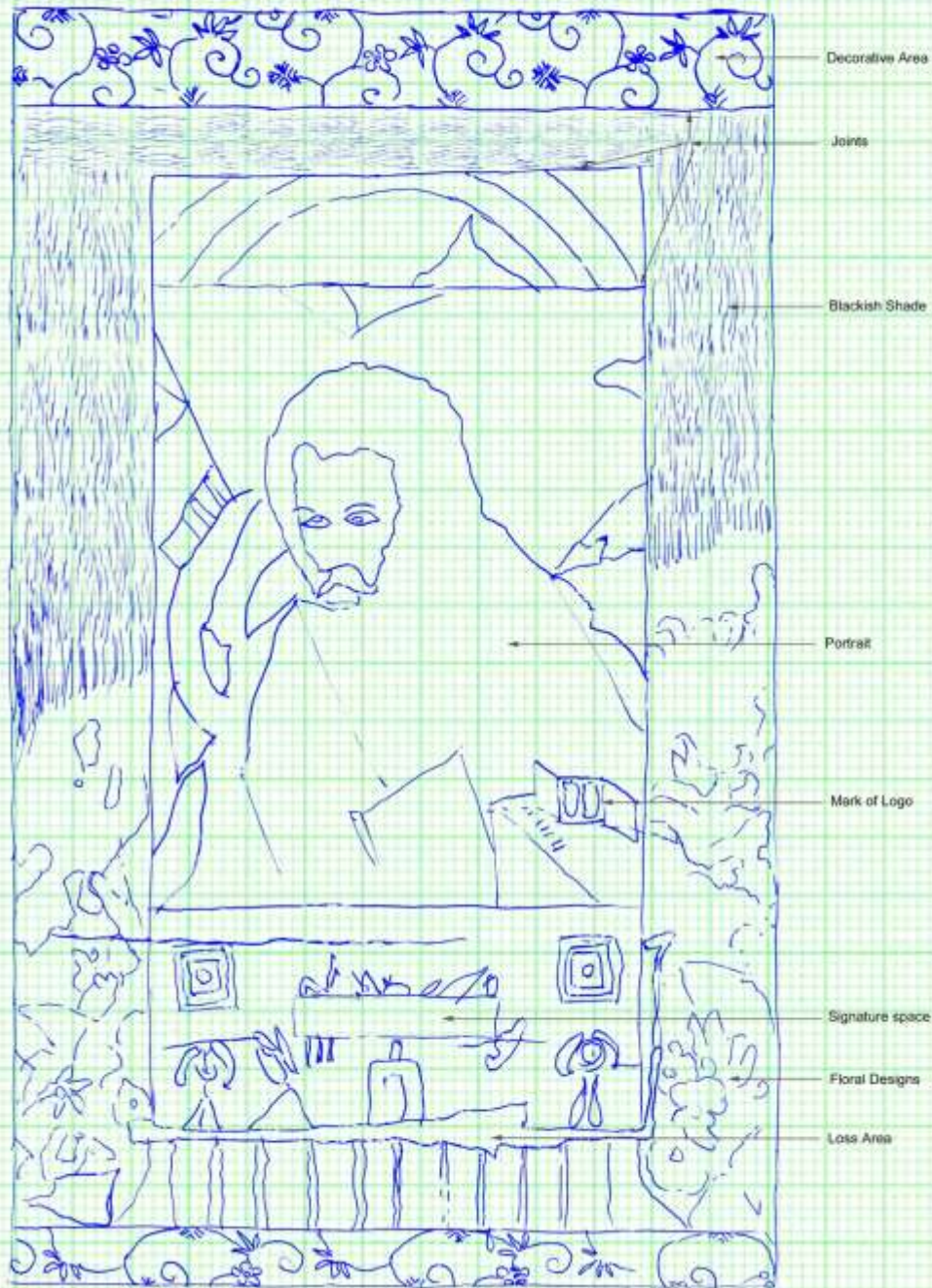
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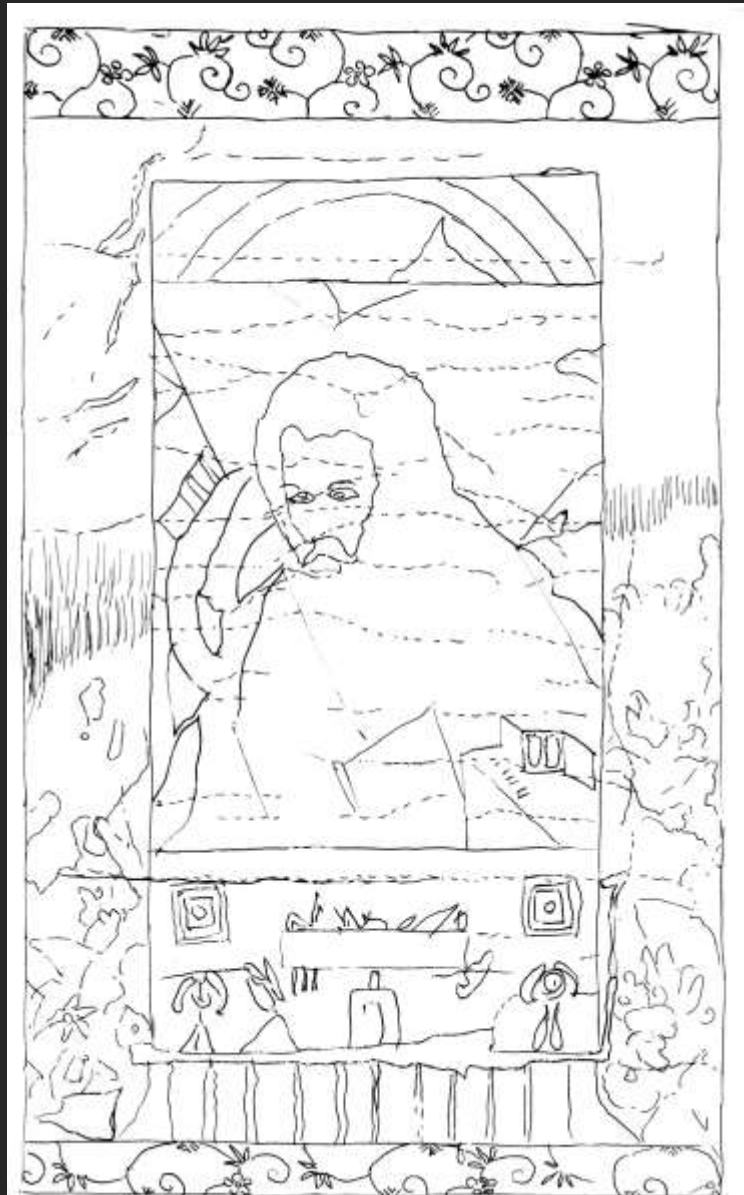


## Graphic Documentation

Scroll Painting, Self Portrait by Gaganendranath Tagore, Acc. No.- 01.00243.003, Old Acc. No.- 1197

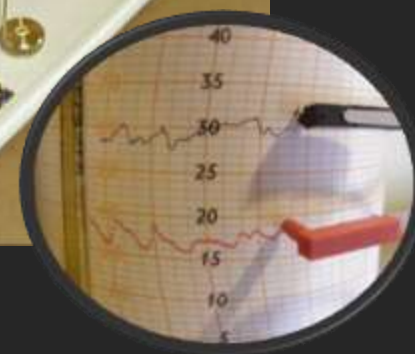
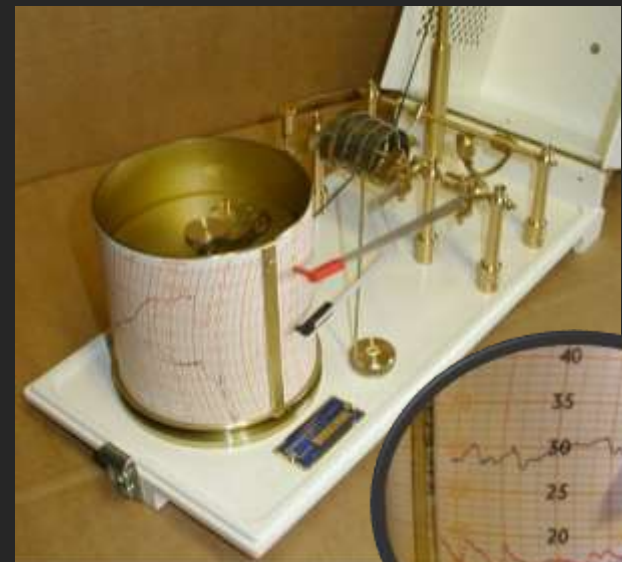
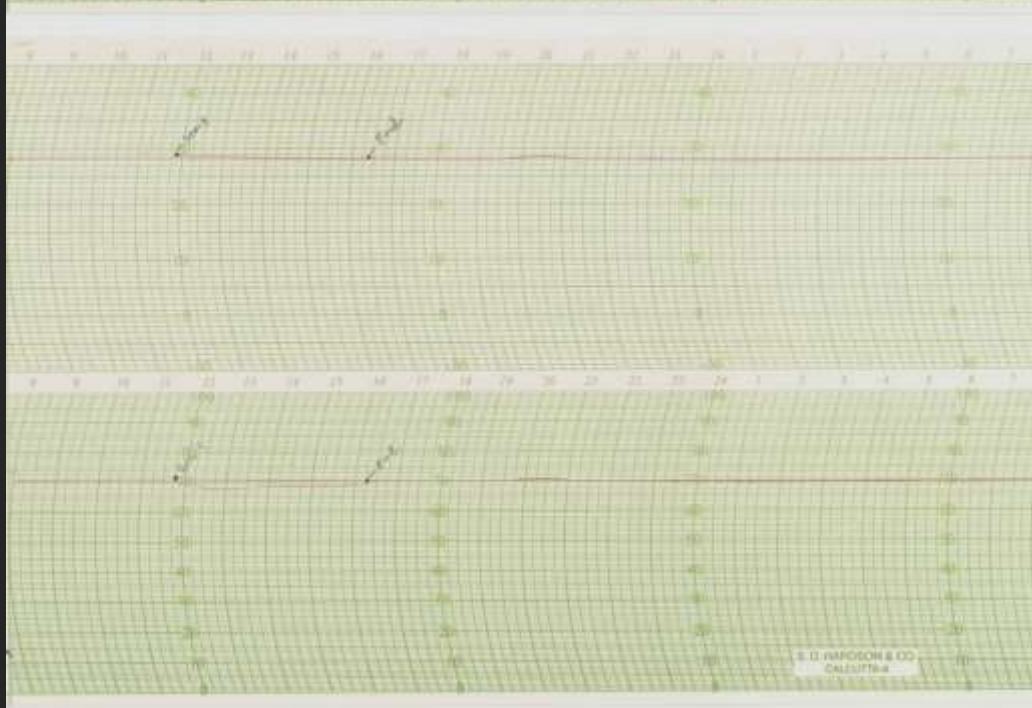


## Condition Assessment of Object Graphic Documentation





# Monitoring of Micro and Macro Climate inside museum



# Painting Conservation







Aquas De-acidification



Removal of Pressure adhesive tape

# Conservation work

Before Conservation



After Conservation



Before Conse  
After Co





# Conservation work

# Before and After



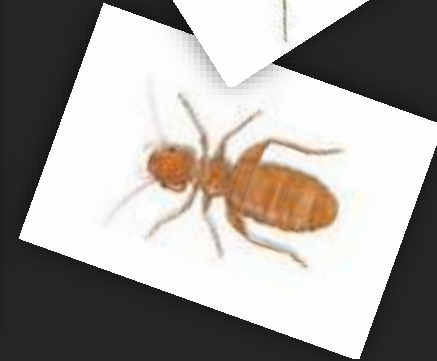
# Conservation work

# Before and After





# Integrated Pest Management



## Process followed to control Insect

- ❖ Regular Inspection
- ❖ Diagnosis and Reporting
- ❖ Planning insect/pest Management Strategy
- ❖ Implementing the strategy



# Conservation

## ❖ Preventive & Curative Conservation work done in the year 2019 – 2020

- ▶ Fumigation and mechanical cleaning : 661 Nos.
- ▶ Curative Conservation : 36 Nos.
- ▶ Mounting, framing & fixing of hinges : 99 Nos.
- ▶ Integrated pest management : 04 Times.



# Conservation Workshop




# Conservation Workshop





# Conservation Workshop Conducted by Museum





# Documentation Work of Art Object



# Accessioning & Documentation



# Digital Documentation



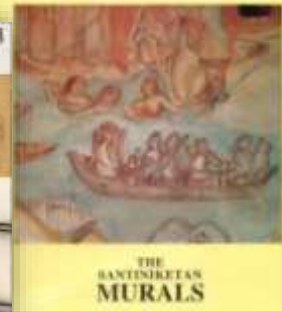
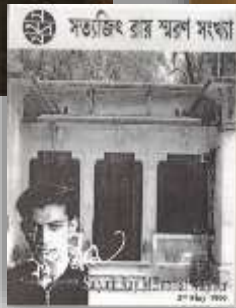


# Documentation

## ❖ **Documentation work of art object done in the year 2019 - 2020**

- ▶ Digitalization of Art Object : 2735 Nos.
- ▶ Accession & Documentation of Art Object (Strong room-1) : 2203 Nos.
- ▶ Accession & Documentation of Art objects (Strong room-2) : 03 Nos.
- ▶ Preparation of Material wise Sectional records (Strong room-2) : 8783 Nos.

# Museum Publications



- Drawings and Paintings of Rabindranath Tagore -- Edited by Jayanta Chakraborty
- The Santiniketan Murals -- Edited by Jayanta Chakraborty, R. SivaKumar, & Arun Nag
- Kalighat Paintings -- Edited by Jayanta Chakraborty
- 150th Birth Anniversary Exhibition Catalogue of Rabindranath Tagore
- Centenary Exhibition Catalogue of Binode Behari Mukherjee, Ramkinkar Baij, and Gouri Bhanja.
- Retrospective Exhibition Catalogue of Somnath Hore, Dinkar Kowshik, K. G. Subramanyan, and Jogen Chowdhury.
- Satyajit Ray Memorial Number,
- 'Nandan' : A Brief History of Nandan Museum.
- Textile: A Collection from Kala-Bhavana Museum.



# Staff Members of Kala-Bhavana Museum

Serial No.	Name of the employee	Designation	Male/Female
1.	Amit Kumar Danda	Curator (I/c.)	Male
2.	Mridula Banerjee	Museum Assistant Grade-II	Female
3.	Subhadra Roy	Museum Assistant Grade-II	Female
4.	Amulya Kumar Jena	Preservation Assistant	Male
5.	Tanup Kumar Nath	Jr. Preservation Assistant	Male
6.	Sumati Besra	Enlisted Casual Workers	Female
7.	Sk. Samirul	Daily Wages Worker	Male

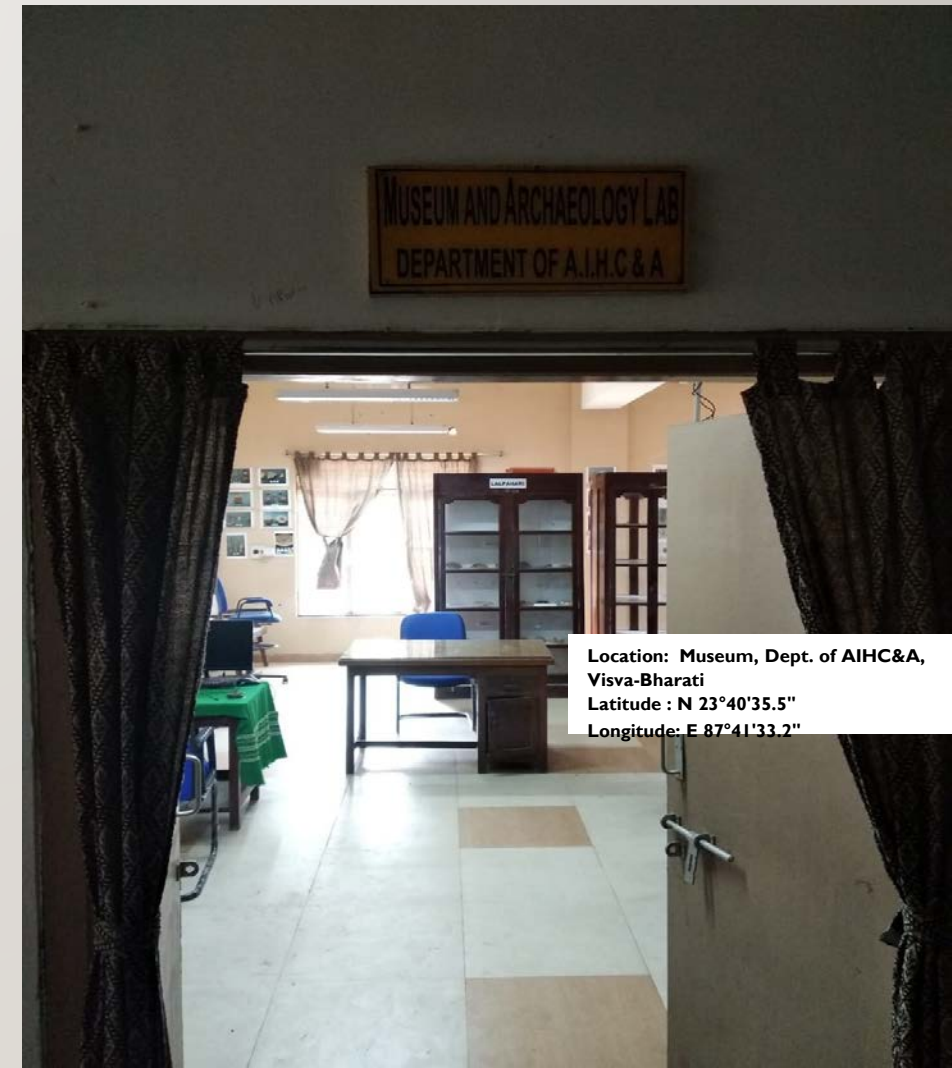
**Note :** With the present number of Staff members at Kala-Bhavana Museum, the percentage of female members stands at 42.86% approx., and that of male members at 57.14% approx.

# Museum and Archeology Laboratory

Department of Ancient Indian History Culture and Archeology (AIHC&A)



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'33.9"  
Longitude: E 87°41'33.3"



Location: Museum, Dept. of AIHC&A,  
Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Interiors of Museum and Archeology Laboratory



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"





# Display at Museum and Archeology Laboratory

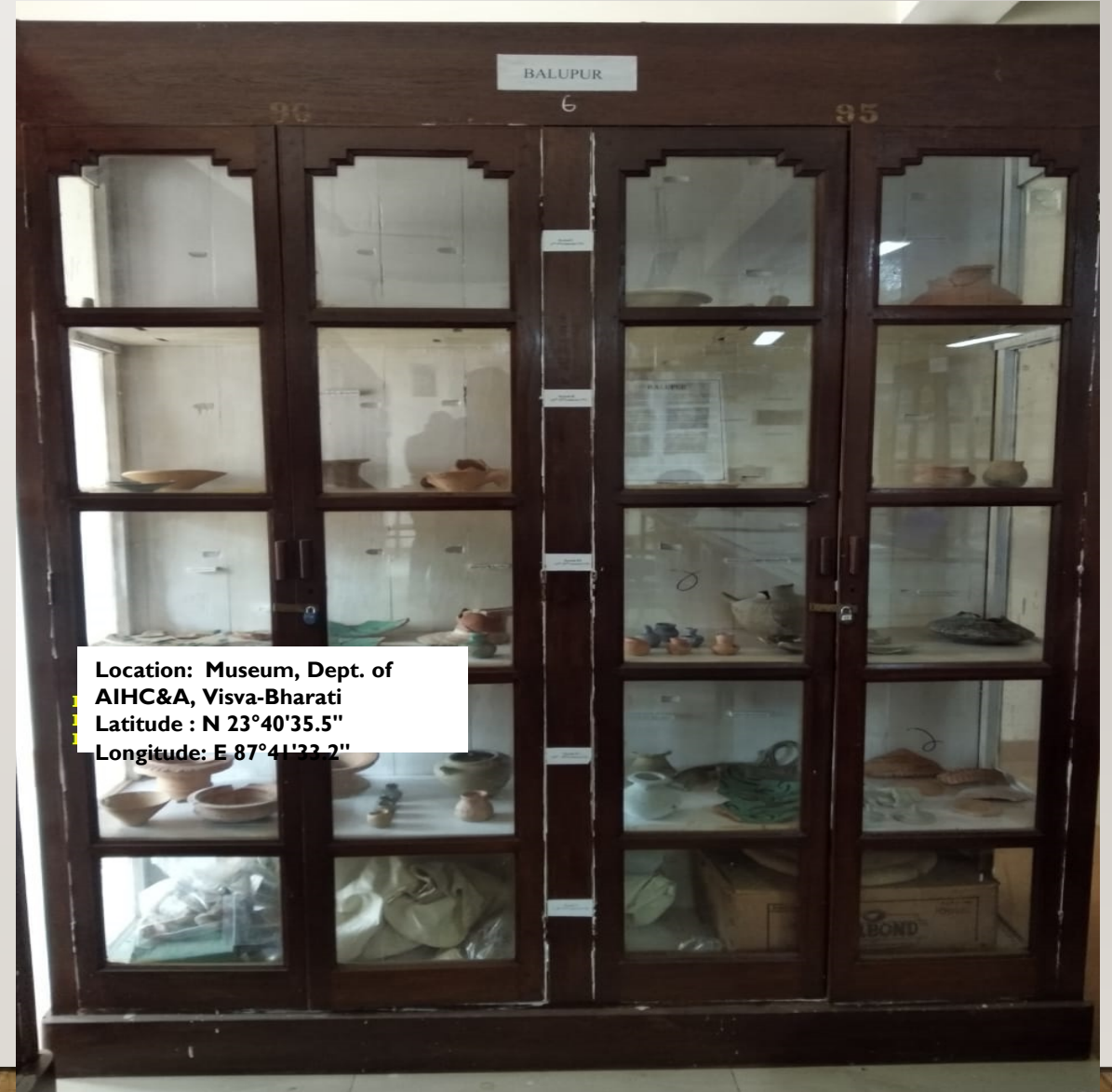




# Display at Museum and Archeology Laboratory



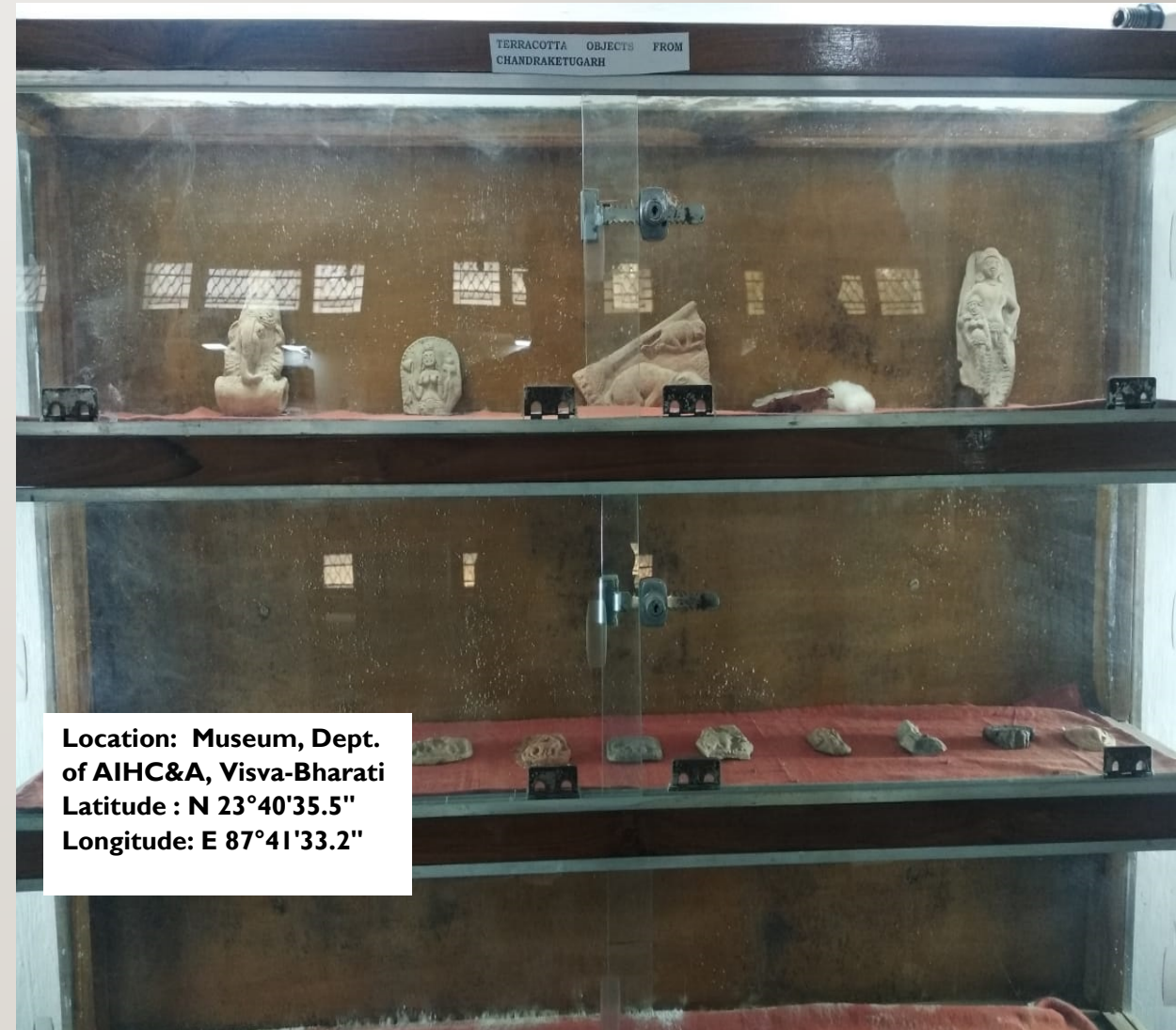
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AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Display at Museum and Archeology Laboratory





# Interiors of Museum and Archeology Laboratory



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Interiors of Museum and Archeology Laboratory



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Interiors of Museum and Archeology Laboratory



Location: Museum,  
Dept. of AIHC&A,  
Visva-Bharati  
Latitude : N  
23°40'35.5"  
Longitude: E  
87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Display at Museum and Archeology Laboratory



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude : E 87°41'33.2"



Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



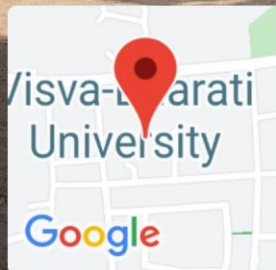
Location: Museum, Dept. of  
AIHC&A, Visva-Bharati  
Latitude : N 23°40'35.5"  
Longitude: E 87°41'33.2"



# Display at Museum and Archeology Laboratory



# DEPARTMENT OF SCULPTURE, KALA – BHAVANA VISVA – BHARATI



**Bolpur, West Bengal, India**

Department of Sculpture, Kala Bhavana, Visva Bharati, Santiniketan, Bolpur,  
West Bengal 731235, India

Lat N 23° 40' 51.078"

Long E 87° 40' 58.8468"

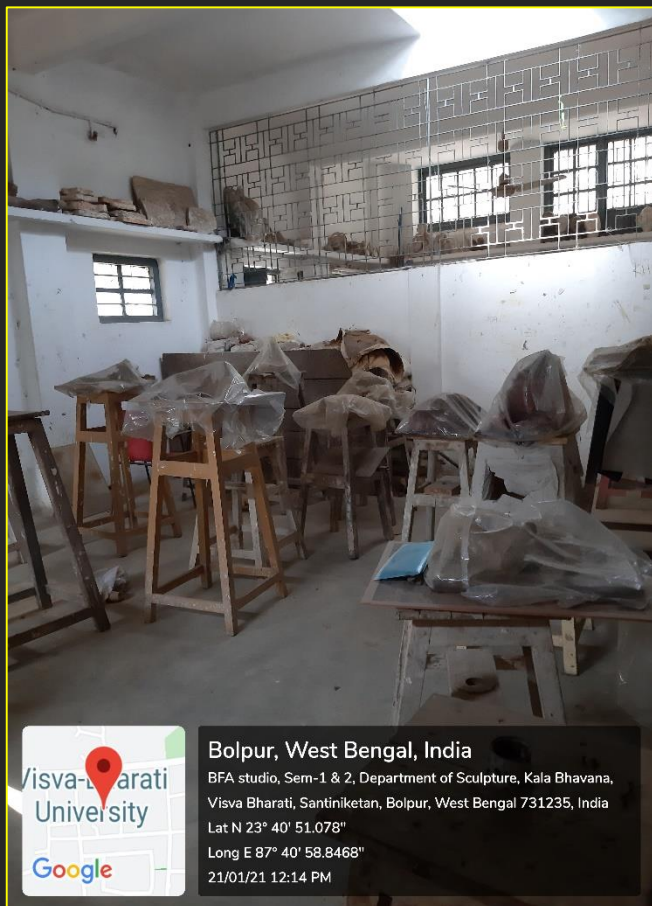
21/01/21 12:32 PM



## BFA SPECIALIZATION PRACTICAL STUDIOS

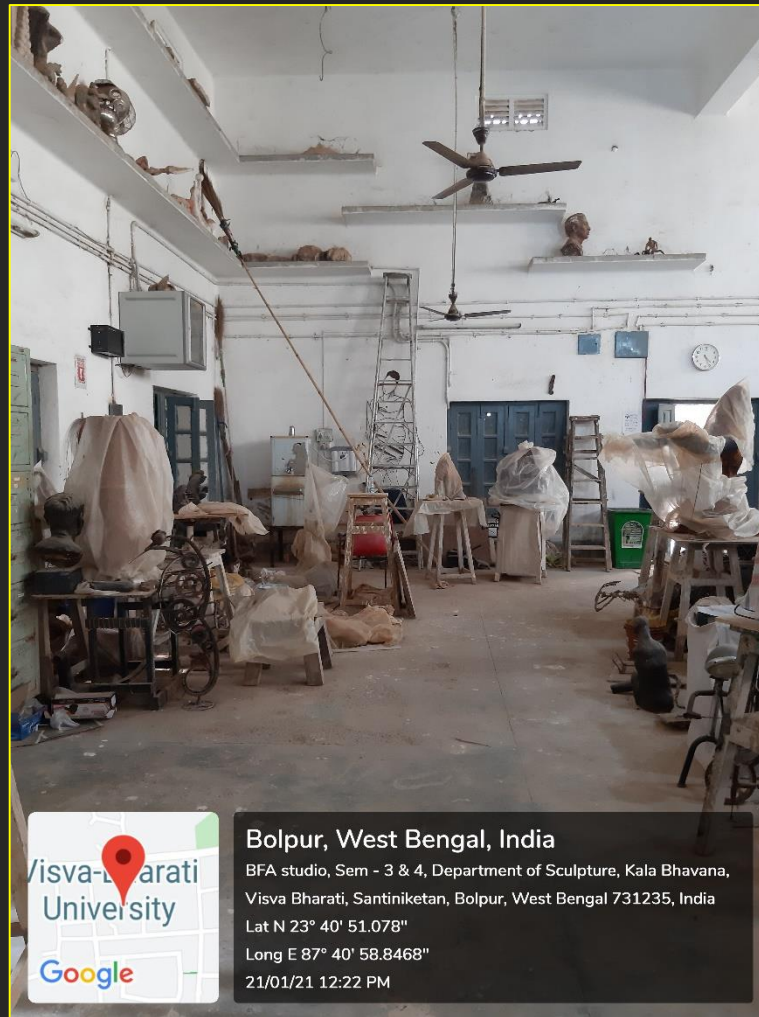
BFA – Semester – 1 & 2, Practical studio,  
With sculpture wooden stools, fan, WIFI and other electric facility.

Established in 1928 - 1929



BFA – Semester – 3 & 4, Practical Studio,  
With sculpture wooden stools, fan, WIFI and other electric facility, bench vice etc.

Established in 1965 - 1967






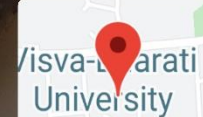
BFA – Semester – 5 & 6, Practical Studio,  
With sculpture wooden stools, fan, WIFI and other electric facility.

Established in 1965 - 1967



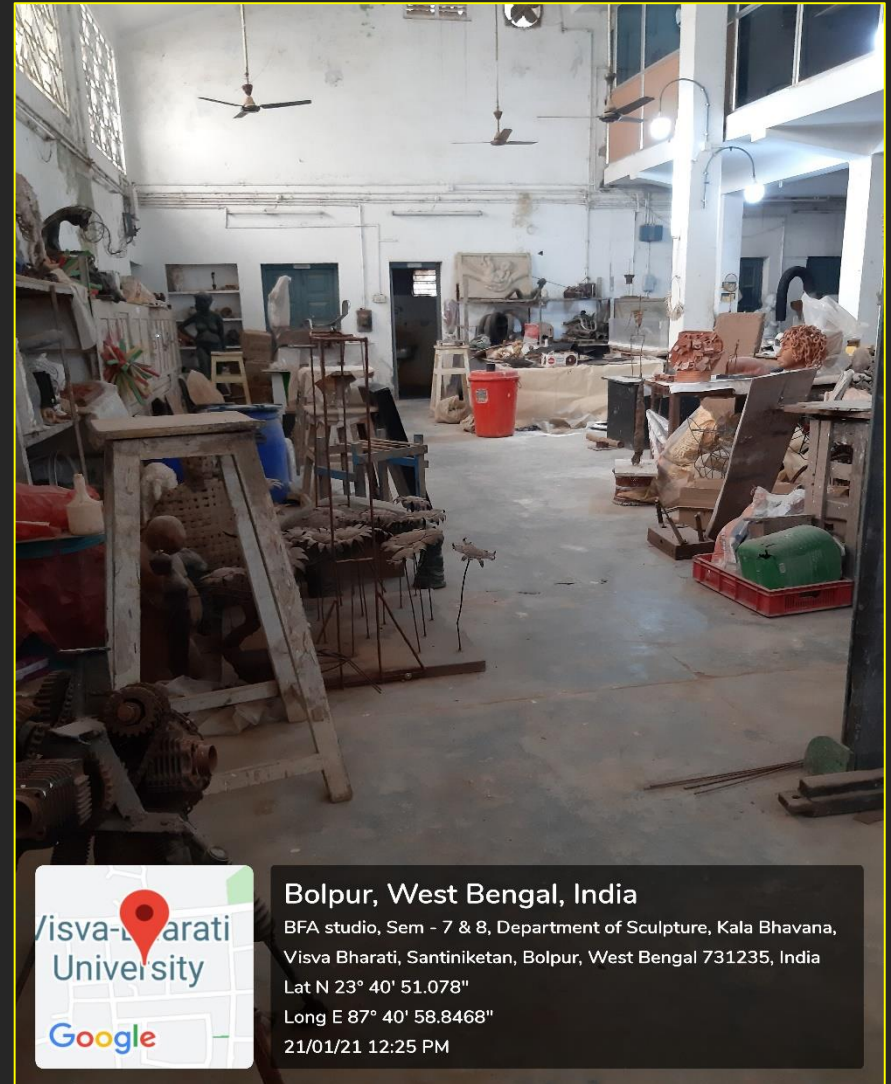
  
Bolpur, West Bengal, India  
BFA studio, Sem - 5 & 6, Department of Sculpture, Kala Bhavana,  
Visva Bharati, Santiniketan, Bolpur, West Bengal 731235, India  
Lat N 23° 40' 51.078"  
Long E 87° 40' 58.8468"  
21/01/21 12:24 PM



  
Bolpur, West Bengal, India  
BFA studio, Sem - 5 & 6, Department of Sculpture, Kala Bhavana,  
Visva Bharati, Santiniketan, Bolpur, West Bengal 731235, India  
Lat N 23° 40' 51.078"  
Long E 87° 40' 58.8468"  
21/01/21 12:24 PM

BFA – Semester – 7 & 8, Practical Studio,  
With sculpture wooden stools, fan, WIFI and other electric facility.

Established in 1965 - 1967

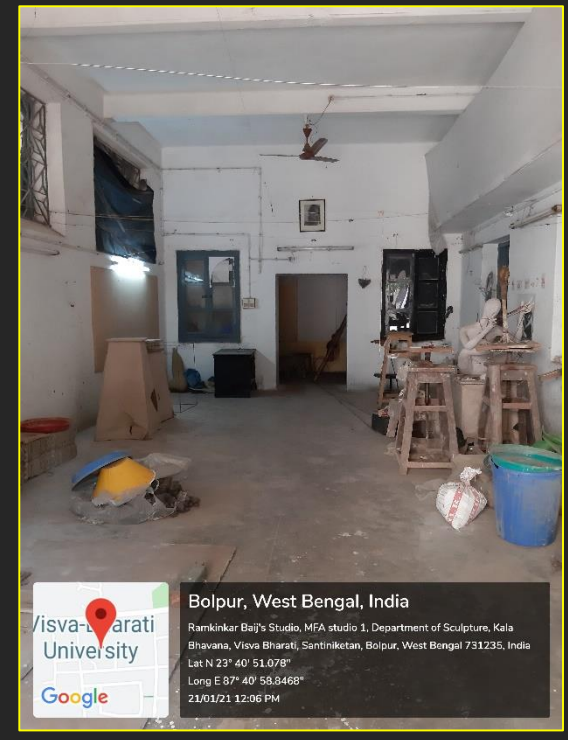




## Ramkinkar Baij's Studio

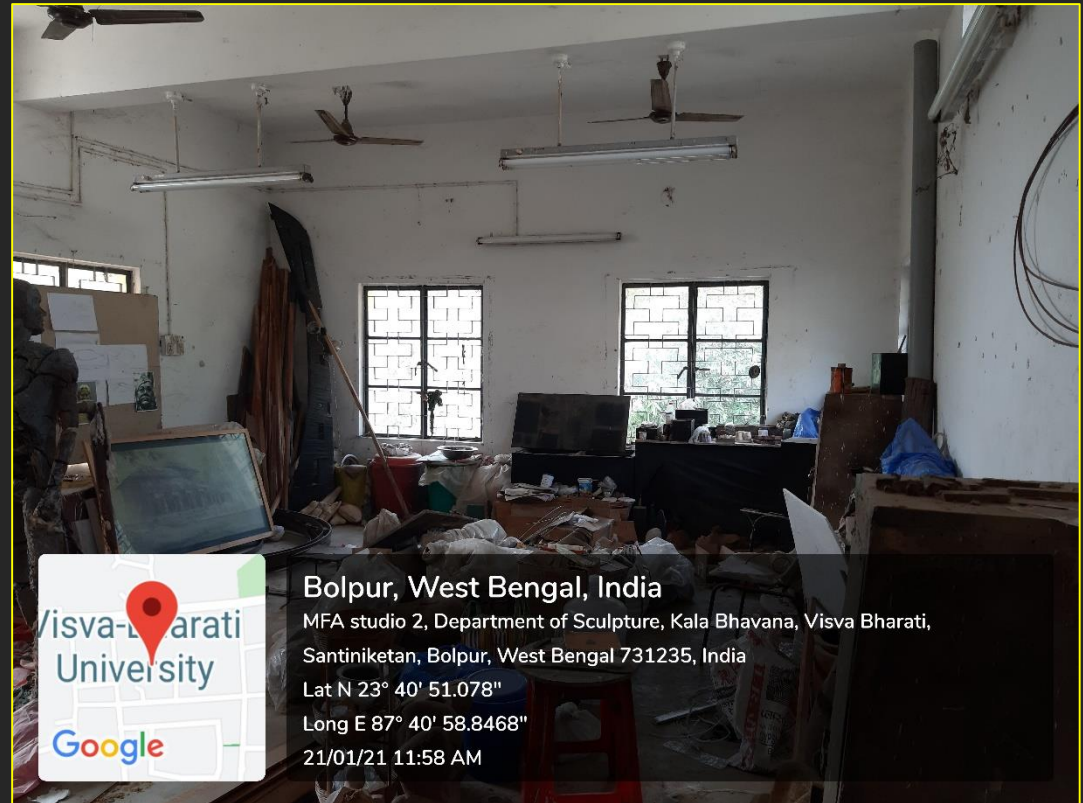
MFA – Studio - 1, Practical Studio,  
With sculpture wooden stools, fan, WIFI and other electric facility.

Established in 1928 - 1929



MFA – Studio - 2, Practical Studio,  
With sculpture wooden stools, fan, WIFI and other electric facility.

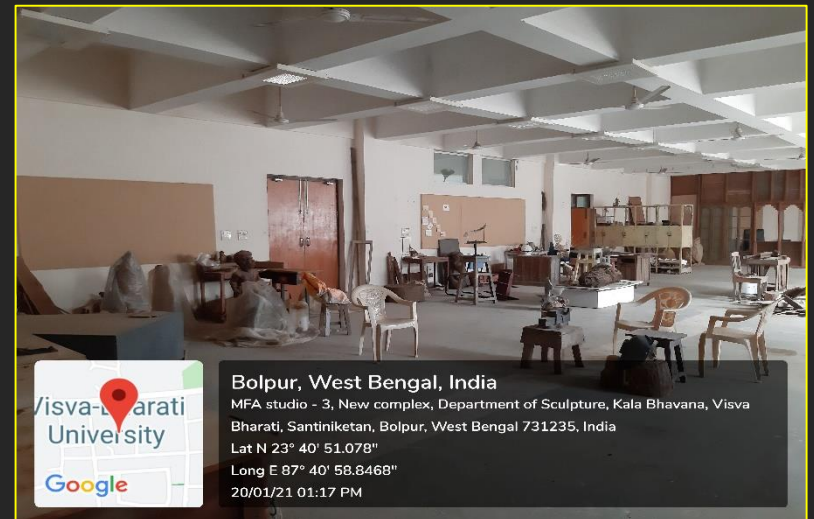
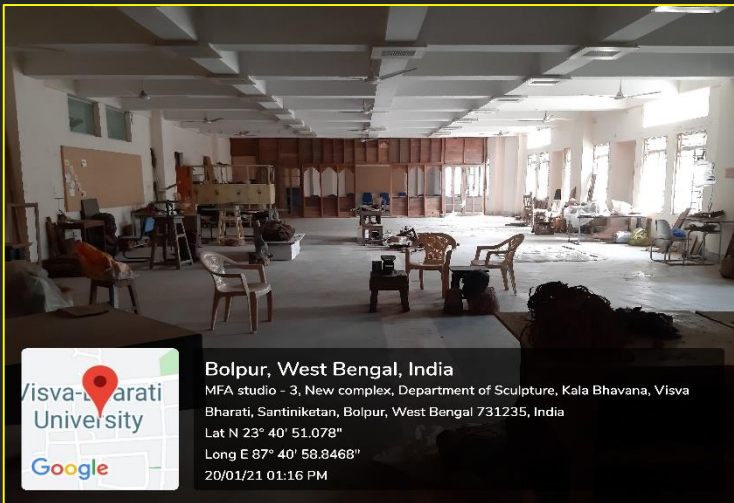
Established in 2003 - 2004





MFA – Studio - 3, Practical Studio,  
With sculpture wooden stools, fan, and other electric facility for grinding/drilling machines,  
Bench-vice etc.

Established in 2012 - 2013



## MFA – Studio - 4, Practical Studio,

With sculpture wooden stools, fan, WIFI and other electric facility for grinding/drilling machines etc.

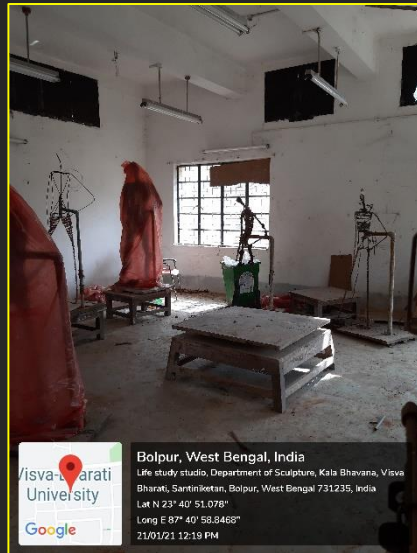
Established in 1996 - 1997





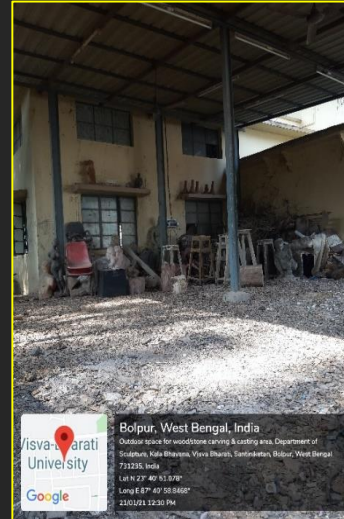
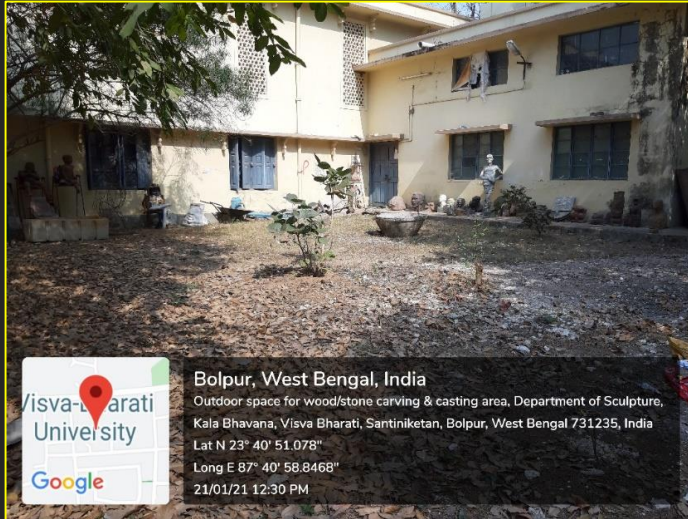
Life study studio, Practical Studio,  
With sculpture wooden stools, model stand, life study stand, fan, WIFI and other electric facility.

Established in 2003 - 2004



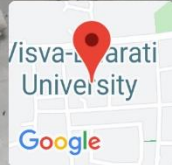


# Outdoor space for wood/stone carving & fibre and plaster of paris moulding & casting area.

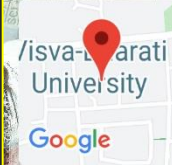




# Terracotta Furnace



**Bolpur, West Bengal, India**  
Terracotta furnace, Department of Sculpture, Kala Bhavana,  
Visva Bharati, Santiniketan, Bolpur, West Bengal 731235, India  
Lat N 23° 40' 51.078"  
Long E 87° 40' 58.8468"  
20/01/21 01:27 PM



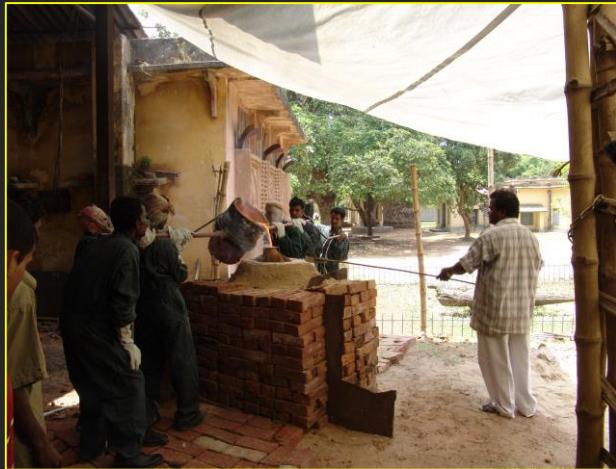
**Bolpur, West Bengal, India**  
Terracotta furnace, Department of Sculpture, Kala Bhavana,  
Visva Bharati, Santiniketan, Bolpur, West Bengal 731235, India  
Lat N 23° 40' 51.078"  
Long E 87° 40' 58.8468"  
20/01/21 01:27 PM

# Electric Terracotta Furnace

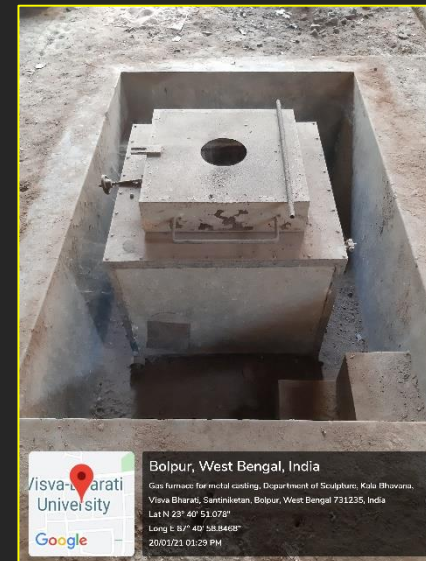




# Foundry for Metal Casting



# Gas Furnace for Metal Casting





# Welding Room with equipment machinery Established in 1992 - 1993



## **MEDIA LABORATORY/STUDIO FACILITY**

### **BFA SPECIALIZATION STUDIOS**

#### **PRACTICAL STUDIO-1**

In the first floor of the Mural Section of the Department of Painting, Kala Bhavana, Visva-Bharati, is the Studio-1 where the practical classes of BFA Foundation Semesters I and II are conducted.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 2004-05



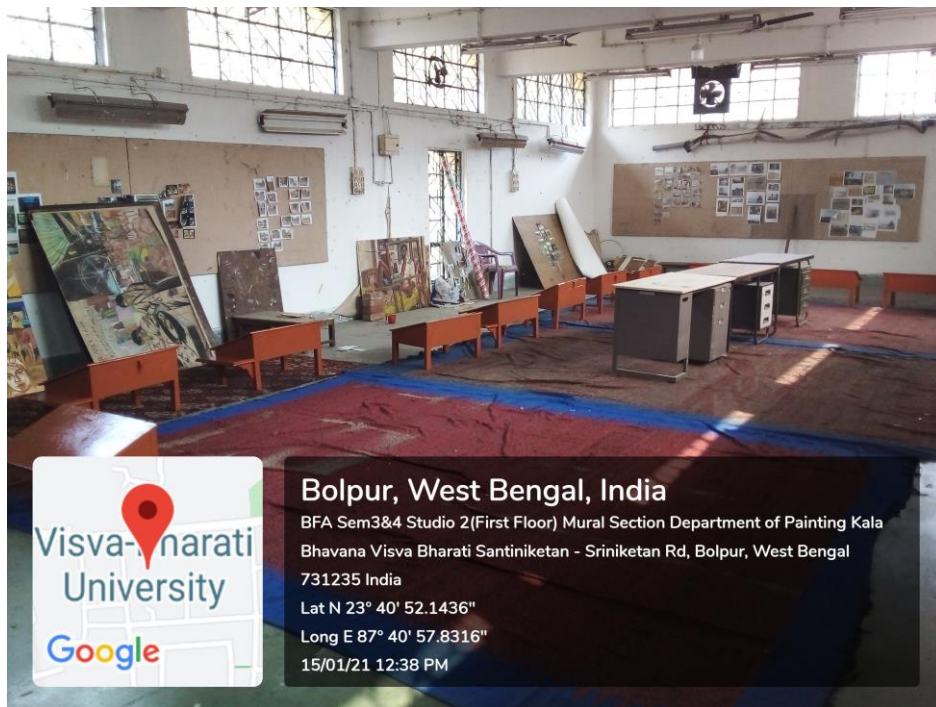


## PRACTICAL STUDIO-2

In the first floor of the Mural Section of the Department of Painting, Kala Bhavana, Visva-Bharati, is the Studio-2 where the practical classes of BFA Foundation Semesters III and IV are conducted.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 2004-05

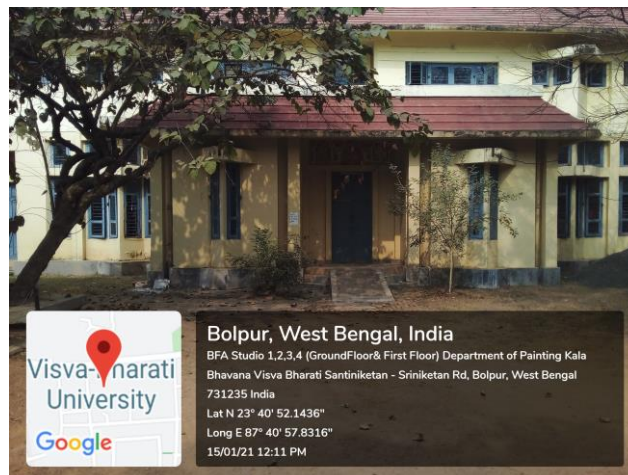


## PRACTICAL STUDIO

In this studio, situated at first floor of the Mural Section of the Department of Painting, Kala Bhavana, Visva-Bharati the practical classes of BFA Semesters V through VIII are conducted.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 1987





## **MFA SPECIALIZATION STUDIOS**

### **STUDIO-1**

In the ground floor of the Department of Painting, Kala Bhavana, Visva-Bharati, is the Studio-1 where the practical classes of MFA Semesters III and IV are conducted.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 2012-13



## STUDIO-2

In the first floor of the New Complex of the Department of Painting, Kala Bhavana, Visva-Bharati, is the Studio-2 where the practical classes of MFA Semesters I and II are conducted.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 2012-13





## MURAL STUDIO

In the ground floor of the Department of Painting, Kala Bhavana, Visva-Bharati, is the Mural Studio for the MFA in Mural Semesters I through IV students.

Facility: Ceramic Glaze Furnace and Electric Glaze Furnace with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 1968



## **MFA STUDIOS 1, 2, 3, 4, 5**

Opposite to the Mural Studio are the MFA Studios for the MFA Semesters III and IV students.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 1968



## **MFA STUDIOS 6, 7, 8, 9, 10**

These MFA Studios are for the MFA Semesters III and IV students.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 1968



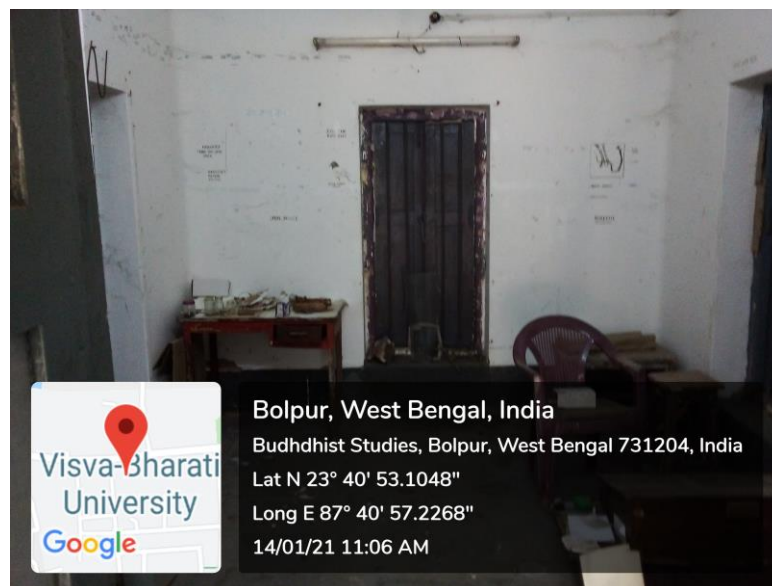


## MFA STUDIOS 11, 12, 13, 14

These MFA Studios are also for the MFA Semesters III and IV students.

Facility: with easel, desk, fan, other electric facilities and Wi-Fi

Year of Establishment: 1968



## **RESEARCH SCHOLAR SPECIALIZATION STUDIOS**

### **RESEARCH SCHOLAR NEW MEDIA STUDIO-1**

Facility: Computer, scanner, printer, sound system, projection and AC

Year of Establishment: 2003



### **RESEARCH SCHOLAR NEW MEDIA STUDIO-2**

Facility: Computer, scanner, printer, sound system, projection and AC

Year of Establishment: 2016





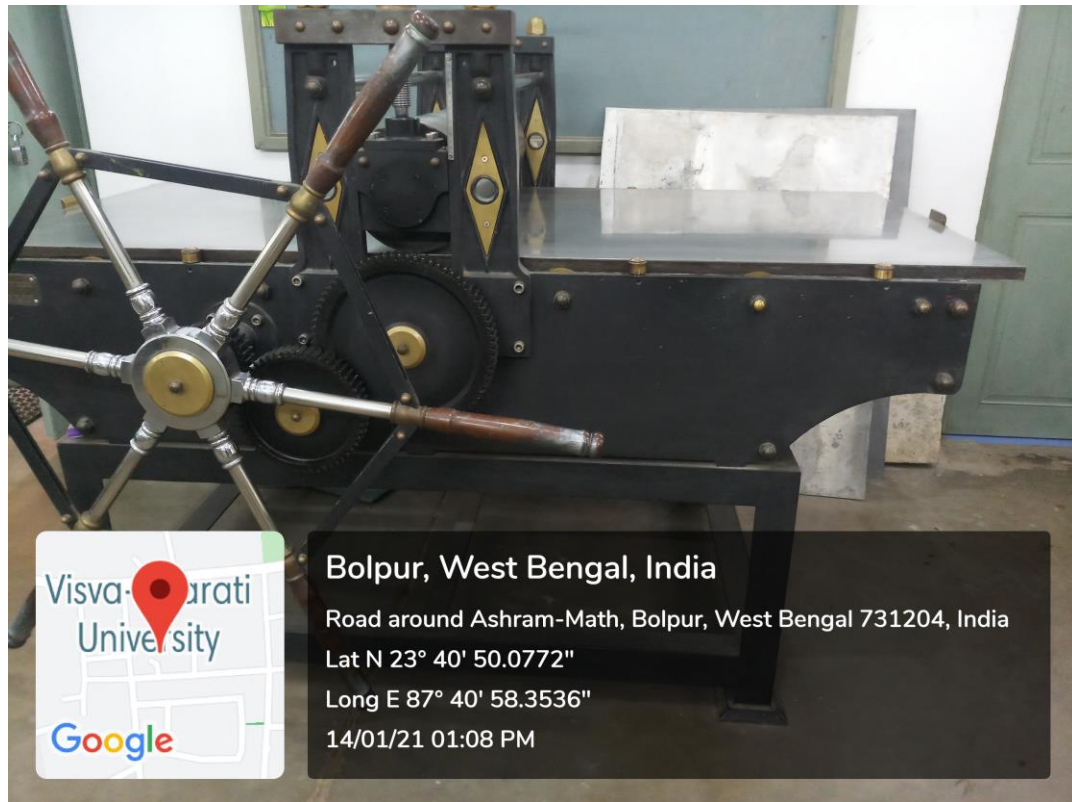
Department of Graphic Art (Printmaking)  
Year of Established: 1961



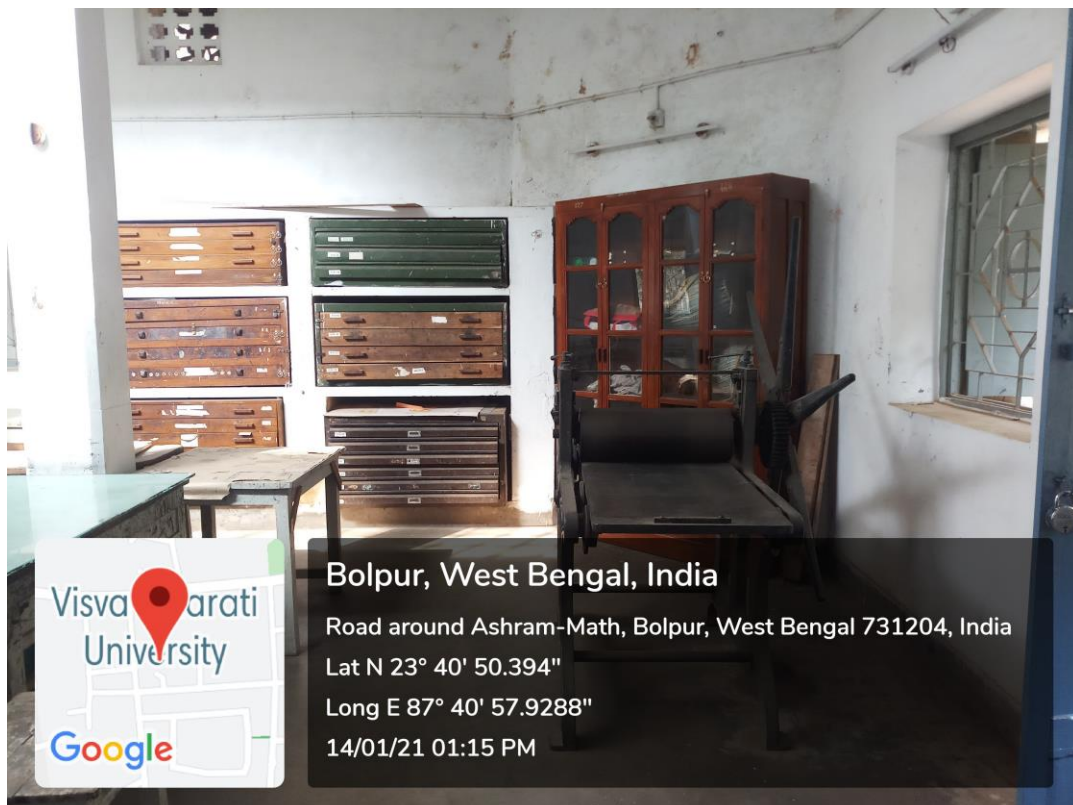
Department of Graphic Art



Department of Graphic Art-side view –Somnath Hore Mural



Departmental Equipment-Etching Press-Large Size



Etching Press-medium size





Equipment –Lithography Press-medium size



Lithography Press-small size



**Lithography Press-Large Size**



**Lithography Press –Large Press**





first floor-ICT Class Room and Serigraphy Class Room



Exposing table –full size



Exposing table –UV Light



Digital Large Printer with Computer (Year 2019-20)





**Bolpur, West Bengal, India**

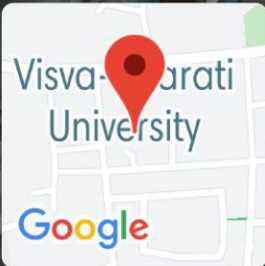
Road around Ashram-Math, Bolpur, West Bengal 731204, India

Lat N 23° 40' 50.196"

Long E 87° 40' 57.0468"

14/01/21 01:25 PM

**ICT-Class Room -1(Year-2019-20)**



**Bolpur, West Bengal, India**

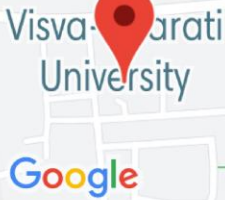
Road around Ashram-Math, Bolpur, West Bengal 731204, India

Lat N 23° 40' 50.6388"

Long E 87° 40' 58.2852"

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**Class Room-2**



**Bolpur, West Bengal, India**

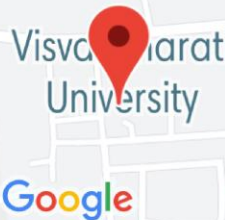
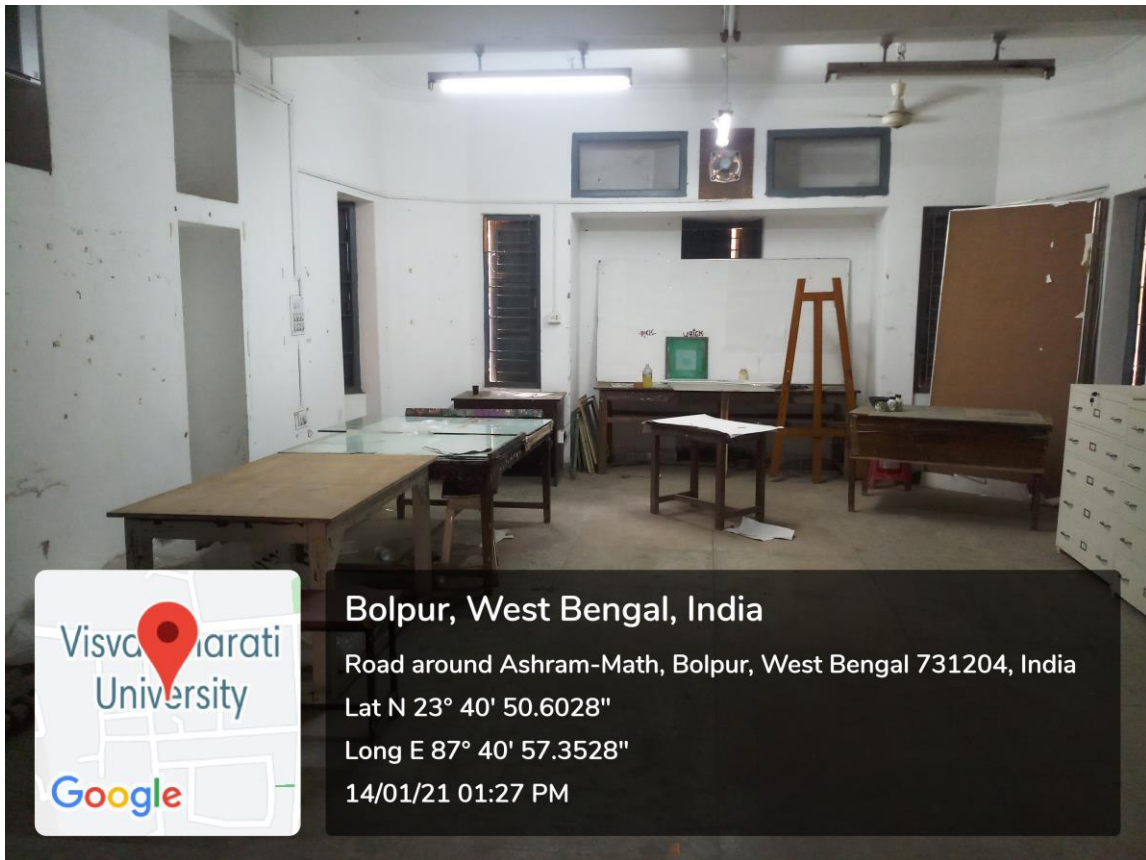
Road around Ashram-Math, Bolpur, West Bengal 731204, India

Lat N 23° 40' 50.6136"

Long E 87° 40' 58.1916"

14/01/21 01:15 PM

**Class Room-3**



**Bolpur, West Bengal, India**

Road around Ashram-Math, Bolpur, West Bengal 731204, India

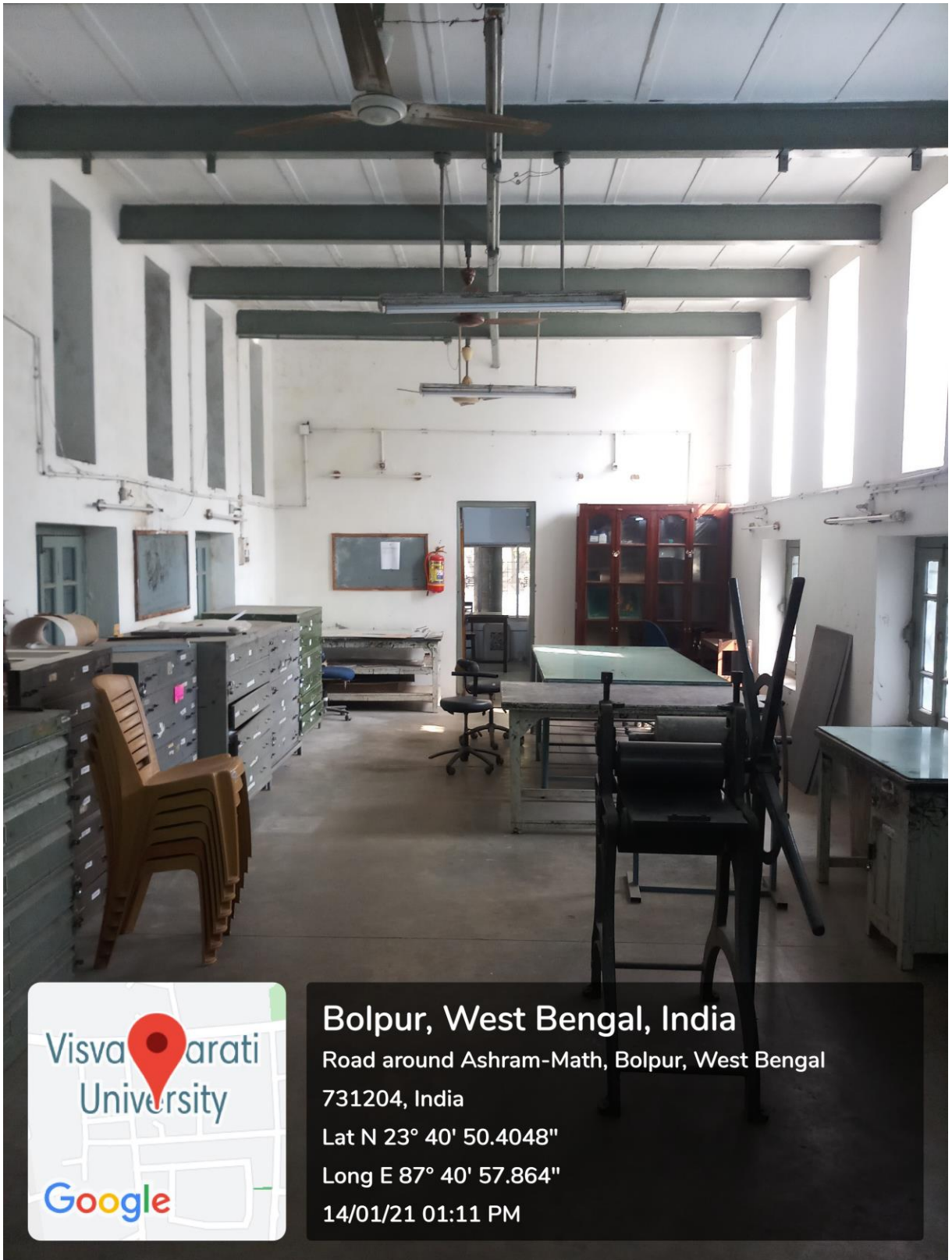
Lat N 23° 40' 50.6028"

Long E 87° 40' 57.3528"

14/01/21 01:27 PM

**Class Room-4**





**Bolpur, West Bengal, India**

Road around Ashram-Math, Bolpur, West Bengal

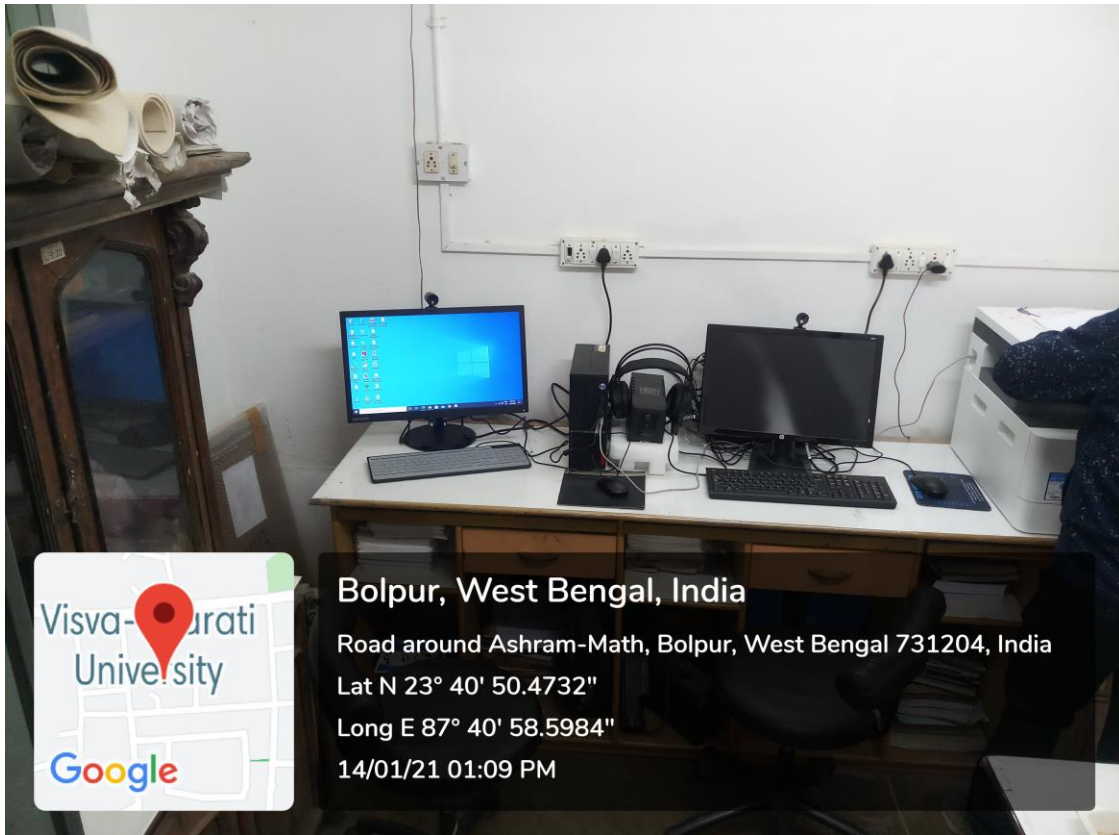
731204, India

Lat N 23° 40' 50.4048"

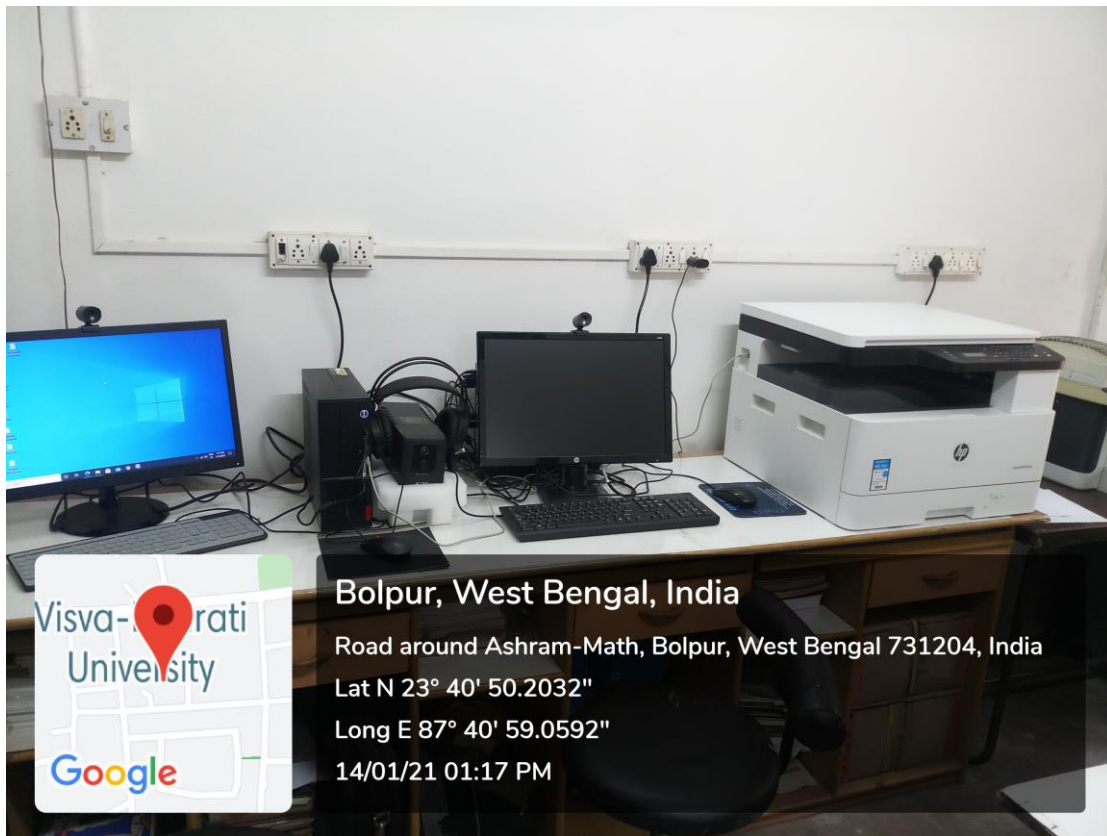
Long E 87° 40' 57.864"

14/01/21 01:11 PM

**Class Room-5 with Storage Cabinets**

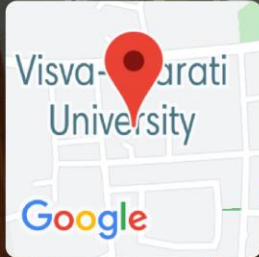


**Computer Room with Printer**



**Computer Room with Printer**



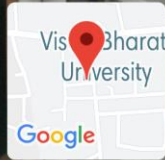


**Bolpur, West Bengal, India**  
Road around Ashram-Math, Bolpur, West Bengal 731204, India  
Lat N 23° 40' 50.5956"  
Long E 87° 40' 58.3536"  
14/01/21 01:10 PM

Department –Library

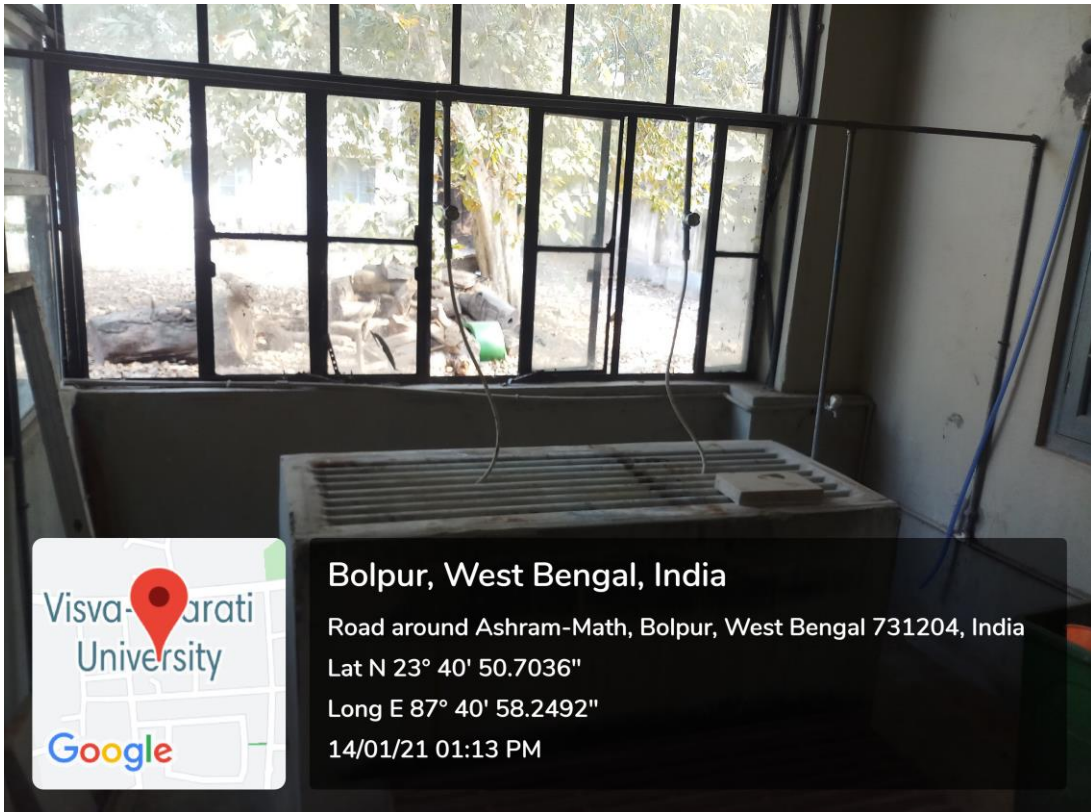


**Bolpur, West Bengal, India**  
Road around Ashram-Math, Bolpur, West Bengal  
731204, India  
Lat N 23° 40' 49.5696"  
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14/01/21 01:11 PM

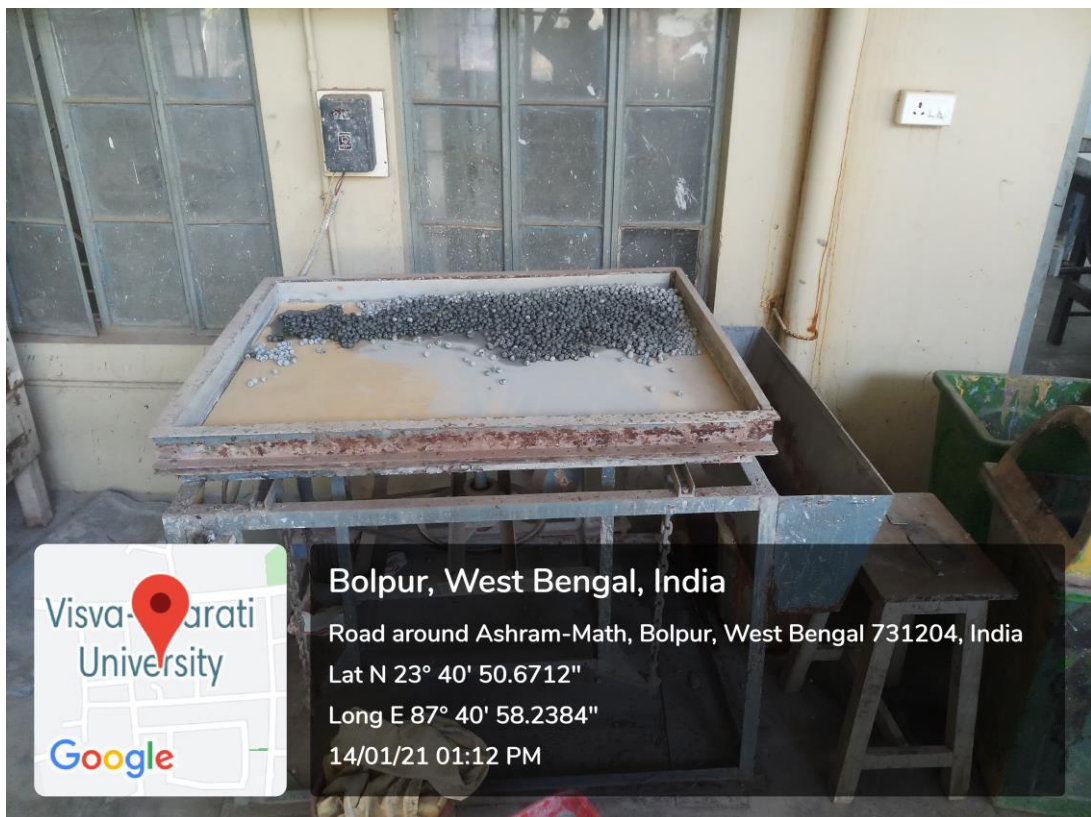


**Bolpur, West Bengal, India**  
Road around Ashram-Math, Bolpur, West Bengal  
731204, India  
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Department –Library

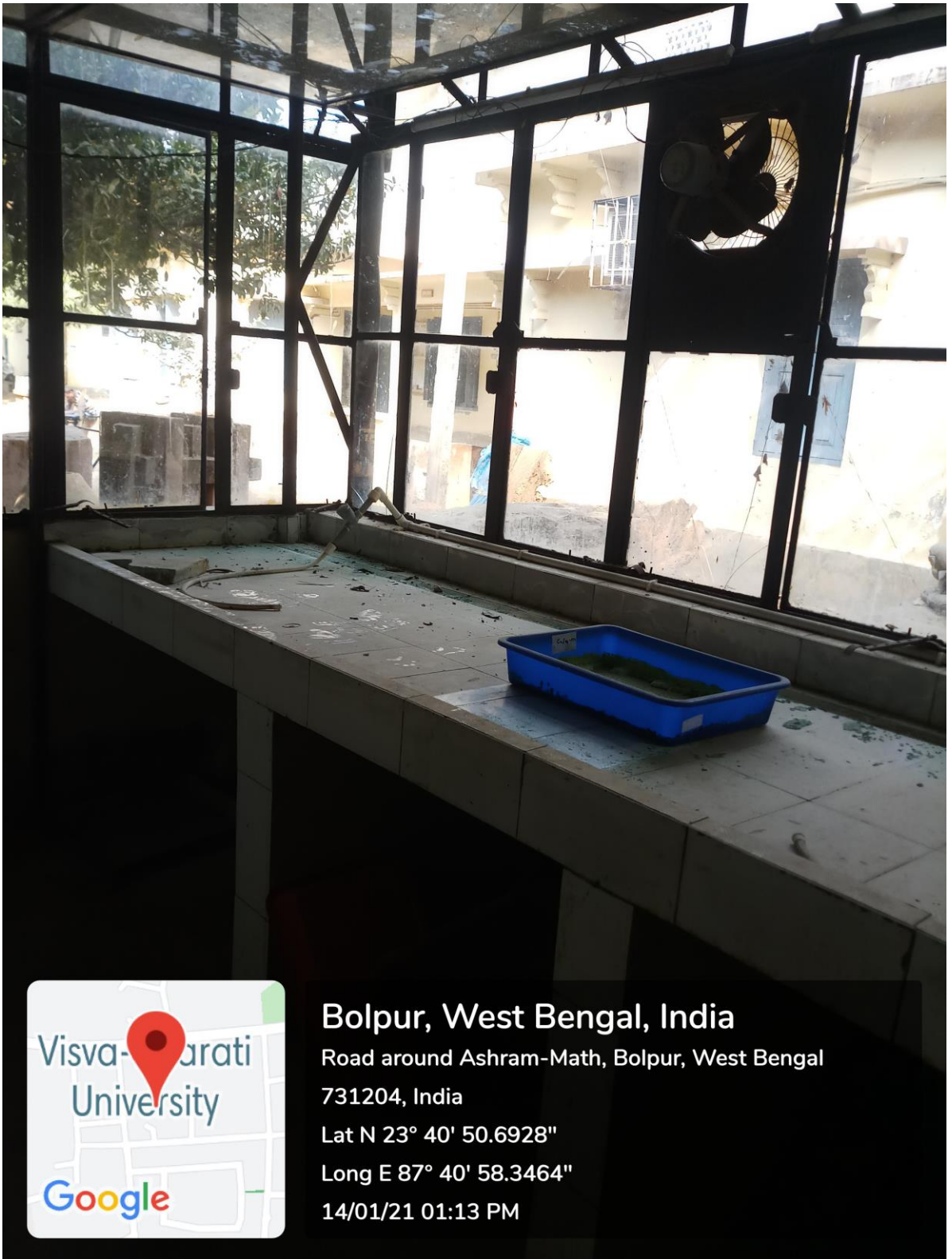


**Litho-Grinding –section**



**Plate-Grinding -Machine**





## Bolpur, West Bengal, India

Road around Ashram-Math, Bolpur, West Bengal

731204, India

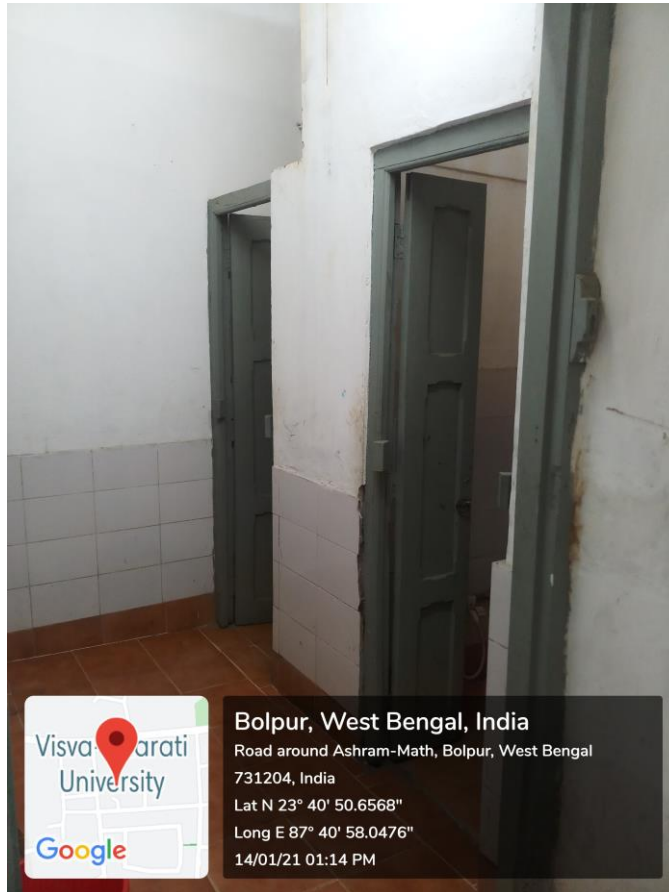
Lat N 23° 40' 50.6928"

Long E 87° 40' 58.3464"

14/01/21 01:13 PM

Plate-biting –section

## Rest Room (for Male and Female)





## Department of Design

**Name of the facility:-** Installation of various donated equipments at the ceramic & glass section(Department of Design). The equipment includes Gas furnace for ceramic items firing, electric furnace for melting glass, electrical kilns for firing glass and ceramic items, pot mill, sand blasting machine, glass polishing machine etc.

**Purpose of establishment:** Enhancing the studio/workshop facility for better technical research.

**Additional information:** All these equipments/tools are donated by the Jalan Foundation of Kolkata. To help students to get the facility, the studio/workshop space is constructed with the help of financial support from Tulsyan Family Charitable Trust of Kolkata.



Newly constructed workshop (Ceramic & Glass)



Gas furnaces.



Electric kilns.

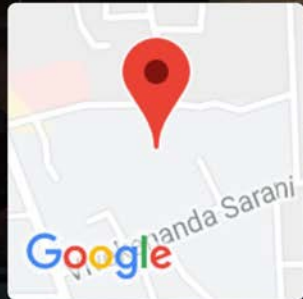


Sand blasting machine.



Glass melting electrical furnace.





Santiniketan, West Bengal, India  
 F 92, Santiniketan, West Bengal 731204  
 Lat N 23° 40' 53.148"  
 Long E 87° 41' 24.1224"  
 12/01/21 07:01 PM

F 92, Santiniketan, West Bengal 731204, India

Longitude  
 87.6900922°

Altitude 43.4 meters  
 Tuesday, 12-01-2021

# LIPIKA AUDITORIUM

F 92, Santiniketan, West Bengal 731204, India

Latitude  
 23.6811695°

Longitude  
 87.6903369°

Local 08:07:32 PM  
 GMT 02:37:32 PM

Altitude 5.6 meters  
 Tuesday, 12-01-2021

F 92, Santiniketan, West Bengal 731204, India

Latitude  
 23.6812657°

Longitude  
 87.6902416°



# LIPIKA AUDITORIUM



D 72, Santiniketan, West Bengal 731204, India

Latitude  
23.6814138°

Longitude  
87.6900904°

Local 06:56:21 PM  
GMT 01:26:21 PM

Altitude 54.9 meters  
Tuesday, 12-01-2021



F 92, Santiniketan, West Bengal 731204, India

Latitude  
23.6814459°

Longitude  
87.6900034°

Local 06:57:09 PM  
GMT 01:27:09 PM

Altitude 53 meters  
Tuesday, 12-01-2021



Santiniketan, West Bengal 731235, India

Latitude  
23.6811042°

Longitude  
87.6900393°

Local 07:44:39 PM  
GMT 02:14:39 PM

Altitude 45.9 meters  
Tuesday, 12-01-2021



Kala Bhavana Nandan Museum is an academic museum, basically it helps to the art students for their academic programme and provide great assistance to the art historians & scholars.

The Museum of this art institution began during the year in 1919—when Kala Bhavana (the Faculty of Fine arts) was founded by Rabindranath Tagore. ‘Nava-Nandan’ the new building of Kala Bhavan Museum was setup in the year 1965, and it was inaugurated by the then Chancellor (*Acharya*) Smt. Indira Gandhi and Principal (*Adhakshya*) of Kala-Bhavana Sri Nandalal Bose.

At present, Kala-Bhavana Museum has two occasionally display gallery at ground floor and first floor of the building. Along with this some selected art works from museum collections are also in display on wall of the museum to emphasize the educational role of museum. Basically the gallery adds effort to display art works from museum collections, arrange exhibitions to promote art and artists, arrange different workshop, seminar and documentary film show for the students, teachers, and scholars.



GPS

Latitude	23; 40; 54.2200000000012...
Longitude	87; 41; 1.859999999998585...
Altitude	0





Ground Floor Gallery



First Floor Gallery

