

**28<sup>th</sup> National Workshop [Online]  
on  
Use of Statistical Tools & SPSS in  
Research & Development**

**Organized By  
A.K.Dasgupta Centre for Planning &  
Development,  
[A Centre sponsored by the Niti Aayog,  
Govt. of India]  
Visva-Bharati, Santiniketan, West Bengal,**

**Dates: 20<sup>th</sup> Feb-1<sup>st</sup> March, 2023**



**33 Purbapally, Santiniketan,  
Birbhum, West Bengal, India**

The Centre invites applications from faculty member of colleges and universities, research scholars and management executives who wish to deepen their understanding on the use of statistical tools and techniques through SPSS. This ten day workshop will cover different topics used for analyzing survey and research data and for prediction of future events. This workshop will also provide practical training on what has been delivered in the workshop. The downloadable trial version of SPSS will be available in the website of the IBM SPSS and will be used for the practice sessions.

### **Objective of the Workshop**

- To understand the basics of SPSS application in research & development.
- To have the hands on experience in the use of statistical techniques through SPSS.
- To interpret the results based on the SPSS output and to draw valid inference.

### **This course would be of particular benefit to:**

- Faculties & Teachers
- Consultant engaged in Higher Education Institute. [HEI]
- Higher education Administrators
- Industry training professionals
- Research Scholars

- Students
- Extension specialists in agriculture, public health and rural development practitioners of lifelong learning ,
- Researchers Developers and other Stakeholders involved in pedagogy.
- Consultant in development sector

Applicants have to mail their soft copies of application mentioning their present status on or before **15<sup>th</sup> February, 2023**. Applicants should mention their contact address, telephone number, e-mail address and institutional affiliation. The application to be addressed to Prof. Debasis Bhattacharya, Chair Professor, A.K.Dasgupta Centre for Planning & Development, Visva-Bharati. Application must reach [vbplanning46@gmail.com](mailto:vbplanning46@gmail.com) within due date. **Registration fee: Rs.2000/- per participant [For Faculties and Teachers] & Registration Fee: Rs.1000/- for Research Scholar & Students.** Registration Fee to be paid online. Details of payment will be provided after selection. The participation in the programme will be on last come first out basis. The timing of the workshop will be from **2.30 p.m. to 8. p.m.**

## **.Course Outline**

- Introduction to Statistical Analysis Introduction to IBM SPSS Statistics

- Entering & Editing Data, Reading Data & Manipulating Data Sources, Summarizing Variables
- Variable, Relationships, Visualizations & EDA. Recode & Compute
- Select Cases & Charts, Scale of measurement
- Describing Data: Probabilities, t-Tests, Correlations & Regression. Probability
- Inferential Statistics: Bivariate Plots and Correlations, Introduction to Regression, Principal Component Analysis [PCA]
- Cluster analysis, Factor analysis, Log linear Models
- Analysis of Variance, Repeated Measures
- Discriminant Analysis , logistic regression
- Comparing Categorical Variables, Association, Chi- Square tests, Goodness of fit tests
- Some basic Non-parametric tests

### **Important Dates**

Last Date for receiving application: 15<sup>th</sup> February, 2023

Letter of Acceptance: 16<sup>th</sup> February, 2023

Email for Correspondence: [vbplanning46@gmail.com](mailto:vbplanning46@gmail.com)

For Assistance: Call Sri Daya Shankar Kushwaha, Ph-9474644413

Visit website for other information: [akdcentrevisvabharati.org](http://akdcentrevisvabharati.org)

# Application Form

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Name

Address

Designation

Occupation

Institution Affiliation

Ph. No.

E-mail

Any exposure to SPSS

Yes/No

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Signature of the applicant