



# 39<sup>th</sup> National Workshop on Use of Statistical tools in 'R' for Research & Development

**Date: 23<sup>rd</sup> February-8<sup>th</sup> March, 2026**

R is an open source programming language and a free statistical software designed and highly suitable for in-depth data analysis, Visualization, data manipulations, data modelling, forecasting and making inferences. R runs on all the major Operating System platforms. R is one of the most sought-after software for conducting data science research and is also highly popular among the academic community

The Centre invites applications from research scholars, faculty member of colleges and universities, management executives who wish to deepen their understanding on the subject.

This 14-day Programme is designed to familiarize academicians, practitioner and researchers with the statistical research tools and techniques, with special focus on the Software "R". This will augment the skill of the participants to use "R" and enhance the horizon of their research work. The knowledge of modern techniques applied to research are imperative for quality work and this workshop aims to give a comprehensive insight on those and enable researchers and academicians to apply those techniques rightly.

## **Objective of the Workshop**

The main objectives of this workshop are:

- To provide an opportunity for the faculty members, research scholars, corporate professionals, and aspirants to get an exposure in the use of R programming language in social science research and data analytics.

- To provide hands on experience in handling and manipulating data on R
- To learn data visualization techniques in R
- To understand the statistical tools and learning how to apply them on real data and interpret the result and reach at meaningful conclusion.

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

- Faculties & Teachers
- Consultant and Administrators engaged in Higher Education Institute. [HEI]
- Industry training professionals
- Research Scholars & Students
- Extension specialists in agriculture, public health and rural development practitioners
- Consultant in development sector

**Course Outline**

- Introduction to 'R' and 'R' Studio
- 'Import' from and 'Export' to various formats in R-Studio
- Entering and Editing of Data
- Data Cleaning and Formatting in R Environment
- Reading Data, Manipulating Data, Saving of Data
- Data visualization
- Variable, Relationships, & Coding of data
- Exploratory Data Analysis: Correlations, Regression
- Test of Hypothesis; Z-test, T-test, Chi-square test, Inferential Statistics
- Cluster analysis, Factor analysis, Log linear Models, Discriminant Analysis, Logistic regression, PCA and other Multivariate Analysis Techniques
- Analysis of data with Repeated Measures, Analyzing Categorical Variables
- ANOVA & Design of Experiments (CRD, RBD & LSD).

Applicants have to mail their soft copies or hard copies of application. Applicants should mention their contact address, telephone number, e-mail address and institutional affiliation. The application to be addressed to Prof. Bidhan Chandra Roy, Chair Professor, A.K.Dasgupta Centre for Planning & Development, Visva-Bharati. Application must reach [pa2cp.akdc@visva-bharati.ac.in](mailto:pa2cp.akdc@visva-bharati.ac.in) within due date.

### **Important Information Regarding Registration**

- Registration fee: Rs.3000/- for Faculties attending at A.K.Dasgupta Centre [offline mode].
- Registration fee: Rs.2000/- for Faculties for attending [Online mode]
- Registration Fee for Research Scholars and other participants: 1000/- [Online] and Rs.1500/- [Offline]

Registration Fee to be paid online. Details of payment will be provided after selection.

**The workshop has been designed to be held in “Hybrid mode”.** The order of participation/selection in the programme will be made on last come first out basis. The timing of the workshop will be from **2.30p.m. to 7.30 p.m.**

**The participants attending offline sessions will have to bear their own travel, boarding and lodging expenses. The session timing will be from 2.30 p.m. to 7.30 p.m.**

### **Important Dates**

**Last Date for receiving application: 8<sup>th</sup> February, 2026**

**Letter of Acceptance: 16<sup>th</sup> February, 2026**

**Email for Correspondence: [pa2cp.akdc@visva-bharati.ac.in](mailto:pa2cp.akdc@visva-bharati.ac.in)**

**For Assistance: Call to Sri Daya Shankar Kushwaha, Ph- 8250895078**

**Workshop  
on  
Two-Week [14 Day] National Workshop on  
Use of Statistical tools in 'R' for Research & Development  
Date: 23<sup>rd</sup> Feb.-8<sup>th</sup> March, 2026  
Organized by**

**A.K.Dasgupta Centre for Planning and Development  
Visva-Bharati  
[A Centre sponsored by the NITI Aayog, Govt. of India]**



**REGISTRATION FORM**

1. Name (in capital letters):  
.....
2. Adress [Institution] :  
.....
3. Educational  
Qualifications:.....
4. Gender .....
5. Adress [Home] :.....
6. Marital Status: .....
7. Faculty/ Scholar/ Student/ Other (specify).....
8. Topic of the research [if any]:.....
9. Area of specialization [if any]  
.....
10. Present Status of Research work (Preparing Synopsis/Reviewing  
literature/Preparing Tool/Collecting Data/Analysing  
Data/writing Report/Thesis/other [If applicable]
11. Department:.....  
.....
12. Name of the Institution and /or University (M.Phil /Ph.D. .  
enrolled):.....
13. Name of the Supervisor and Contact number, e-mail  
.....

14. Mailing address and Phone no :

Address:.....

Mobile .....

WhatsApp No. ....

Email:.....

I am hereby submitting my application form along with the photograph duly forwarded by Head/Dean/Department/Faculty.

.....

**Date**

.....

**Place**

.....

**Signature of Applicant**