

Registration Process

Registration link will be activated on
17th June 2026
<https://forms.gle/ZKhd5URJPF8fSaje7>

Last date of registration: 19th June 2026 (3:00 PM)

Selected candidates will be informed via email by
4.00 PM on 19th June 2026.

The selected candidates must submit the registration
fee by 5:00 PM on or before 21st June 2026.

- ✓ Open to Faculty, Ph.D. Scholars, and PG Students (Internal & External)
- ✓ Prerequisite: Basic computer skills
- ✓ Maximum seat availability: 30
- ✓ All participants are requested to bring their own laptops for hands-on practice sessions.

Fee Details:

PG/PhD Students – ₹500

Internal Faculty Members – ₹1,000

(Application should be submitted through Proper Channel)

External Faculty / Scientists – ₹2,000

(No TA/DA will be admissible. Accommodation and food arrangements will be made on a payment basis.)

Patron

Dr. P. S. Pandey,
Hon'ble Vice Chancellor,
RPCAU, Pusa.

Convenor

Dr. Amaresh Chandra,
Dean, CBS&H,
RPCAU, Pusa.

Organizing Secretary

Dr. Mahesh Kumar,
Assoc. Prof (Ag. Stat.) & HoD,
Statistics & Computer Applications

Course Coordinator

Dr. Moumita Baishya,
Asstt. Prof. (Ag. Stat.)

Co-Course Coordinators

Dr. Saista Tabssum
Asstt. Prof. (Mathematics)
Dr. Manjubala M,
Asstt. Prof. (Ag. Stat.)



Training-cum-Workshop on Multivariate Analysis using R in Agricultural Research

23rd – 25th June 2026

📍 Inaugural Venue: Mahabhashya Hall

Organized by
**Department of Statistics and Computer
Applications,**
College of Basic Sciences & Humanities,
Dr. Rajendra Prasad Central Agricultural University,
Pusa, Samastipur, Bihar.

About RPCAU

Dr. Rajendra Prasad Central Agricultural University (RPCAU), Pusa, established on 7th October 2016 (formerly Rajendra Agricultural University, founded in 1970). The name Pusa is already a legend in Agricultural Terminology of the world. The history of Pusa dates back to July 5, 1784 more than 240 years ago, when a Stud farm was established at Poosah(Pusa), led by Lieutenant Major Frazer (Superintendent. 1793-1808) to breed cavalry horses through a sanad with the seal of East India Company at a rental fee of 1500 siccas for the land occupied. As the birth place of agricultural education and research in India, the university continues to advance teaching, research, and extension in agriculture and allied sciences, with special focus on bihar.

About Training-cum-Workshop

This programme is part of a six-module series aimed at developing statistical and analytical expertise for research applications. The third module focuses on Multivariate Analysis using R in Agricultural Research. As agricultural research increasingly deals with complex, multi-trait datasets, multivariate techniques are essential for understanding relationships, identifying patterns, and supporting informed decision-making. This module aims to equip participants with practical skills in applying and interpreting multivariate methods using open-source R software.



Resource Persons

- Dr. Mahesh Kumar, Assoc. Prof (Ag. Stat) & HoD, S&CA
- Dr. Nidhi, Assoc. Prof. (Ag. Stat.)
- Dr. Nitesh Kumar Sharma, Asstt. Prof. (Bioinformatics)
- Dr. Moumita Baishya, Asstt. Prof. (Ag. Stat.)
- Dr. Manjubala M, Asstt. Prof. (Ag. Stat.)
- Dr. Saista Tabssum, Asstt. Prof. (Mathematics)

Contact Details:

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- Dr. Manjubala M
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Day 1 - Fundamentals of R

Session 1: Basics of R

Session 2: Basic Operations in R

Session 3: Standardization & Normalization

Day 2 - Predictive Modeling & Dimension Reduction

Session 4: Multiple Linear Regression & Correlation

Session 5: Principal Component Analysis (PCA) and its Visualization

Session 6: Factor Analysis

Day 3 - Classification & Clustering Techniques

Session 7: Cluster Analysis & Visualization

Session 8: Discriminant Analysis

Outcomes

Develop the ability to analyze & interpret multivariate data

Gain expertise in multivariate data analysis techniques

Understand dimension reduction and classification techniques

Interpret and communicate analytical results effectively