Registration Process

Registration link will be activated by 10.15 AM on 18th April 2026
https://forms.gle/1zKqYHZgTGKJKK6J6

Last date of registration: 21th April 2026 (5:00 PM)

Criteria of Selection: First-cum-First Serve
Selected candidates will be informed via email by 11.00 AM on 22nd April 2026.

The selected candidates must submit the registration fee by 5:00 PM on or before 23rd April 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. Nidhi,
Assoc. Prof. (Statistics)

Co-Course Coordinators

Dr. Manjubala M,
Asstt. Prof. (Ag. Stat)

Training-cum-Workshop on

Design of Experiment using Open Source Software

28th -30th April 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 Lieutenent 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 designed to build comprehensive statistical and analytical expertise for research applications, covering Basic Statistics, Experimental Design, Multivariate Analysis, Quantitative Genetics, Qualitative Analysis, and Modelling & Forecasting. The second module focuses on Design of Experiments using open-source software. Since agricultural research and scientific publications largely depend on well-planned experimental designs, this module aims to strengthen participants' ability to design, analyze, and interpret experiments effectively.

Resource Persons

- Dr. Mahesh Kumar, Assoc. Prof (Ag. Stat) & HoD, S&CA
- Dr. Nidhi, Assoc. Prof. (Ag. Stat.)
- Dr. Sudhir Paswan, Asstt. 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)
- External Recourse Persons

Contact Details:

- Dr. Nidhi
  Phone Number: 9430555831
  Email Id: nidhi.sinha@rpcau.ac.in
- Dr. Manjubala M
  Phone Number: 9566542414
  Email Id: manjubala99@rpcau.ac.in

Day 1 - Fundamentals of DOE

Session 1: Principles of Experimental Design
Session 2: Data Transformation
Session 3: ANOVA
Session 4: Completely Randomized Design (CRD)

Day 2 - Block Designs

Session 5: Randomized Block Design (RBD)
Session 6: Latin Square Design (LSD)
Session 7: Augmented Block Design
Session 8: Lattice Design

Day 3 - Advanced Experimental Designs

Session 9: Factorial Experiments
Session 10: Split Plot Design and Strip Plot Design
Session 11: Pooled Analysis (Across Seasons / Locations / Years)
Session 12: Response Surface Methodology

Outcome

- Designing experimental layouts for research studies
- Analyzing research data using statistical methods
- Interpreting experimental results for meaningful conclusions
- Visualizing data using open source software