Registration Process

Registration link -
https://forms.gle/ViSiSSVMGV7mZH937

Last date of registration: 19th March 2026 (5:00 PM)

Criteria of Selection: First-cum-First Serve
Selected candidates will be informed via email by 10.30 AM on 20th March 2026.

The selected candidates must submit the registration fee by 5:00 PM on the same day (20th March 2026).

- Open for Faculty, PhD Scholars and Post Graduate students
- 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

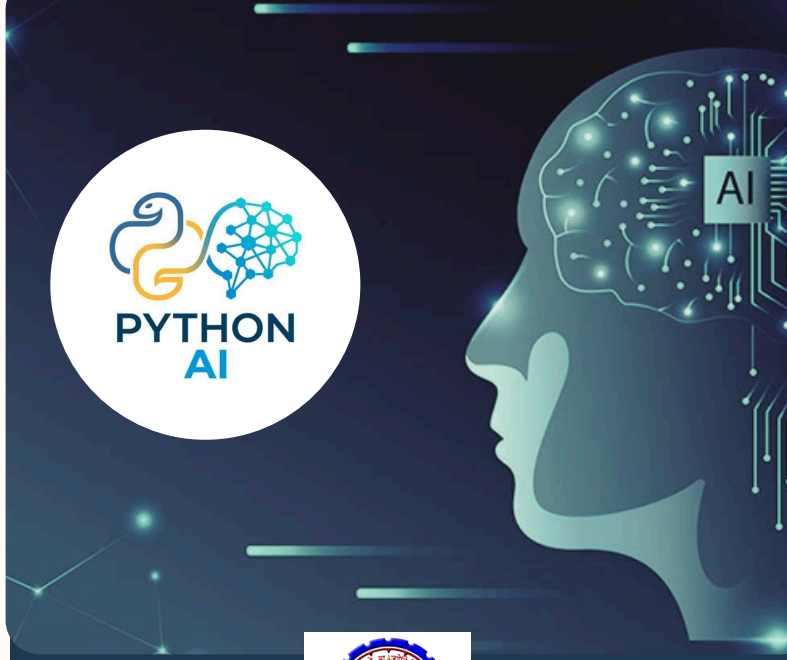
Dr. Mahesh Kumar,
Assoc. Prof (Ag. Stat) & HoD,
Statistics & Computer Applications

Course Coordinator

Er. Tushar Kumar Pandey,
Asstt. Prof. (Computer Application)

Co-Course Coordinators

Er. Puneet Dheer,
Asstt. Prof. (Computer Sc. & Engg.)
Dr. Saista Tabssum,
Asstt. Prof. (Mathematics)



PYTHON AI

Training-cum-Workshop on

Python & Basic ML

24th -28th March 2026

Inaugural Venue: Panchatantra 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

A Training-cum-Workshop series on Artificial Intelligence in Agriculture is planned to equip participants with knowledge and practical skills in modern AI techniques. The program consists of four modules—Basic Machine Learning, Advanced Machine Learning, Deep Learning, and Advanced Deep Learning—designed to provide both conceptua understanding and hands-on experience. This training aims to enable participants to effectively develop AI-based analytical and decision-support tools for agricultural systems. The initiative also contributes to the national vision of Viksit Bharat 2047 by promoting innovation and technology-driven solutions in agriculture.

Resource Persons

- Er. Tushar Kumar Pandey, Asstt. Prof. (Computer Application)
- Er. Puneet Dheer, Asstt. Prof. (Computer Sc. & Engg.)
- Dr. Nitesh Kumar Sharma, Asstt. Prof. (Bioinformatics)
- Dr. Parinita Das, Asstt. Prof. (Bioinformatics)
- Dr. Moumita Baishya, Asstt. Prof. (Ag. Stat.)
- Dr. Manjubala M, Asstt. Prof. (Ag. Stat.)
- Dr. Saista Tabssum, Asstt. Prof. (Mathematics)
- External Resource Persons

Contact Details:

- Er. Tushar Kumar Pandey
  Phone Number: 7975640448
  Email Id: tushar.pandey@rpcau.ac.in
- Er. Puneet Dheer
  Phone Number: 9580225038
  Email Id: puneetdheer108@rpcau.ac.in

Day 1 - Basics of Python & ML

Session 1: Introduction to Python
Session 2: Introduction to Machine Learning

Day 2 - EDA & Visualization

Session 3: Pandas, Data Cleaning, DataFrame operations
Session 4: Summary Statistics & Handling Missing Values
Session 5: Data Visualization using Matplotlib & Seaborn.

Day 3 - Supervised Learning

Session 6: Linear Regression & Logistic Regression
Session 7: K-Nearest Neighbors (KNN)
Session 8: Model Evaluation

Day 4 - Unsupervised Learning

Session 9: K-Means Clustering
Session 10: Hierarchical Clustering
Session 11: Principal Component Analysis

Day 5 - Tree Models & NN

Session 12: Decision Tree and Random Forest
Session 13: Feature Importance & Model Comparison
Session 14: Artificial Neural Network

Outcome

- Understand ML Concepts clearly
- Python code for ML
- Build basic predictive models
- Apply ML to Agricultural data