

Registration Process

Registration link will be activated by 10.15 AM on
1st Aug. 2026

<https://forms.gle/tpkVeKAGLBcKPWuP9>

Last date of registration: 06th Aug. 2026 (5:00 PM)

Criteria of Selection: First-cum-First Serve
Selected candidates will be informed via email by
5.00 AM on 07th Aug. 2026.

The selected candidates must submit the registration
fee by 5:00 PM on or before 08th Aug. 2026.

- ✓ Open to Faculty, Ph.D. Scholars, and PG Students (Internal & External)
- ✓ Prerequisite: Basic computer skills is desirable.
- ✓ Maximum seat availability: 30 (Preference will be given to external faculty members for 10 seats.)

Fee Details:

- PG/PhD Students – ₹500
- No Fee for Internal Faculty Members (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. Puneet Dheer,
Asstt. Prof. (Computer Sc. & Engg.)

Co-Course Coordinators

Dr. Nitesh Kumar Sharma,
Asstt. Prof. (Bioinformatics)

2nd Circular



Training-cum-Workshop on

**Deep Learning
& Remote Sensing**

10th - 14th August 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 four-module series designed to build comprehensive expertise in Artificial Intelligence for agricultural applications, covering Basic Machine Learning, Advanced Machine Learning, Deep Learning, and Advanced Deep Learning. The third module focuses on Deep Learning and Remote Sensing techniques, including neural network architectures, CNN, transfer learning, and the processing of geospatial satellite imagery using modern computational tools. Since computer vision, spatial data analysis, and advanced image modelling are becoming essential in agricultural research and decision-making, this module aims to strengthen participants' ability to develop, evaluate, and apply advanced deep learning solutions.



Resource Persons

- Er. Puneet Dheer, Asstt. Prof. (Computer Sc. & Engg.)
- Er. Tushar Kumar Pandey, Asstt. Prof (Computer Applications)
- Dr. Nitesh Kumar Sharma, Asstt. Prof. (Bioinformatics)
- Dr. Moumita Baishya, Asstt. Prof. (Ag. Stat.)
- Ms. Shreya Gupta, Asstt. Prof. (Remote Sensing)
- External Resource Person

Contact Details:

- Er. Puneet Dheer
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Email Id: puneetdheer108@rpcau.ac.in
- Dr. Nitesh Kumar Sharma
Phone Number: 85068 91991
Email Id: nitesh.sharma@rpcau.ac.in

Day 1 - Python Programming

Session 1: Getting Started with Python

Session 2: Control Flow and Logic, etc

Session 3: Functions and First Scripts (Hands-on)

Day 2 - Foundations of Deep Learning

Session 4: Neural Network Foundations

Session 5: The Math of Learning

Session 6: First Neural Network (Hands-on)

Day 3 - Convolutional Neural Networks

Session 7: Mechanics of CNNs (Theory)

Session 8: Data Preparation & Feature Extraction, etc

Session 9: First CNN architecture (Hands-on)

Day 4 - Transfer Learning

Session 10: Transfer Learning & Data

Session 11: Augmentation, etc

Session 12: Fine-Tuning Models (Hands-on)

Day 5 - Remote Sensing & Geospatial AI

Session 13: Introduction to Geospatial Data

Session 14: Processing Satellite Data, etc

Session 15: Classification (Hands-on)

✓ **All participants are requested to bring their own laptops for hands-on practice sessions.**