

Registration Process

Registration link will be activated by 10.15 AM on
8th Oct. 2026

<https://forms.gle/tpkVeKAGLBcKPWuP9>

Last date of registration: 11th Oct. 2026 (5:00 PM)

Criteria of Selection: First-cum-First Serve
Selected candidates will be informed via email by
5.00 AM on 12th Oct. 2026.

The selected candidates must submit the registration
fee by 5:00 PM on or before 12th Oct. 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

Dr. Puneet Dheer,
Asstt. Prof. (Computer Sc. & Engg.)

Co-Course Coordinators

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



Training-cum-Workshop on Advanced Deep Learning

13th - 17th October 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 the fourth module of a four-module training series covering Basic Machine Learning, Advanced Machine Learning, Deep Learning, and Advanced Deep Learning for agricultural applications. This module focuses on advanced deep learning techniques, including Deep CNNs, Advanced RNNs Sequence-to-Sequence Models, Computer Vision, Generative AI, Self-Supervised Learning, Model Optimization, and Explainability. Through a combination of conceptual sessions and hands-on practical exercises, participants will develop the skills to apply advanced deep learning methods to real-world agricultural research and decision-making problems.



Resource Persons

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

Contact Details:

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

Session 4: Deep CNN Concepts

Session 5: Modern CNN Architectures

Day 3 - Sequence Models

Session 6: Gated Recurrent Unit (GRU)

Session 7: Long Short Term Memory (LSTM)

Session 8: Sequence-to-Sequence Models

Day 4 - Computer Vision Techniques

Session 9: Object Detection

Session 10: Image Segmentation

Session 11: Computer Vision Practical

Day 5 - Generative, Self-Supervised Learning, Model Optimization, & Explainability

Session 12: Autoencoders & Representation Learning Concepts

Session 13: Variational Autoencoders (VAE) & GANs

Session 14: Self-supervised, Model Optimization, & Explainability

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