# Centre for Human Resource Development

## Professor Jayashankar Telangana Agricultural University

### EEI Premises, PJTAU, Rajendranagar, Hyderabad

**Four Day Training Programme on**
**Next - Gen Farming - AI/ML and Emerging Technologies in Agriculture**

**Dates: 04th - 07th March, 2026**

# Next-Gen Farming - AI/ML and Emerging Technologies in Agriculture

**Dates: 04th - 07th March, 2026**
**The Course fee (Rs.4000/-) can be credited to the following account**

| S.No. | Description | Details |
|---|---|---|
| 1 | Name of the Bank | State Bank of India |
| 2 | Account Holders' Name | Comptroller, C-HRD, PJTAU |
| 3 | Address | PJTAU, Rajendranagar, Hyderabad – 500030 |
| 4 | Account No. | 43981693180 |
| 5 | IFSC Code No. | SBIN0020074 |

**Click here for  Application and Registration form link:**

https://forms.gle/e58LeM829QPGGgJR6

**Scan QR Code for the Application and Registration form:**

**About C-HRD**

The C-HRD, PJTAU is playing a comprehensive role in promoting and enlightening the emerging technologies in agriculture by infusing managerial abilities, methodological strategies for developing  capacities of various stake holders in the niche areas and to address the emerging challenges in agri and allied sectors.

## Four day Training Programme on
## Next - Gen Farming - AI/ML and Emerging Technologies in Agriculture

### Introduction

A transition to Agriculture 4.0 is essential in positioning Artificial Intelligence (AI) and Machine Learning (ML) as the primary catalysts for a precision-driven future. By synthesizing high-resolution data from IoT Sensors, Drones, and Satellite Imagery, these technologies provide the predictive intelligence necessary to optimize soil health, prevent pest outbreaks, and accurately forecast yields. While the global agricultural landscape is shifting towards data-driven efficiency to manage large-scale operations, the Indian context requires a unique, "frugal" approach to innovation to bridge the digital divide, ensuring that high-tech, scalable solutions are accessible to smallholders to ensure national food security and sustainable rural prosperity.

### Objectives

- To familiarize participants with the status and prospects of Digital Agriculture in India.
- To provide exposure to AI/ML applications, IoT sensors, and Remote Sensing (RS/GIS).
- To demonstrate the operational use of Drones in field operations and crop monitoring.
- To understand the role of Agri-Tech Startups, Incubation (AgHub), and Blockchain in Agri business
- To facilitate interaction with farmers and innovators implementing Carbon Credit models.

### Modules of the programme

- Indian agriculture transition to 4.0
- AI/ML in farm automation for smallholders.
- Use of Drones: SOPs and field operations.
- Remote Sensing & GIS applications in crop damage and yield estimation.
- IoT sensor installation, data retrieval, and interpretation.
- Agribusiness management: Blockchain and Market Intelligence.

### Eligibility & Application

**Who can participate**

Scientists, faculty and scholars of various State agri and allied Universities, Scientists of ICAR centres, national and international institutions, Agripreneurs, extension professionals, Scientists working in various extension centres and NGOs, Private/ Corporate sector representatives and retired professionals.

### How to Apply:

- Click the Google form / Scan the QR code, make the payment and fill Registration form and submit.

### Programme Facilitators:

- Centre for Digital Agriculture & Technology (C-DAT), PJTAU, Rajendranagar, Hyderabad

**Course fee: Rs.4000/- (Accommodation not included)**

### Contact details:

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**Venue:** Seminar Hall, Extension Education Institute (EEI), PJTAU, Rajendranagar, Hyderabad.

**Last date for registration is 02nd March, 2026**

Application form is also available at
## www.pjtau.edu.in