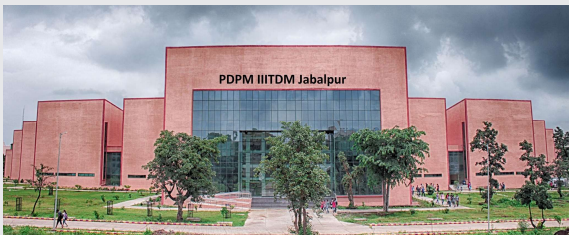


## About Electronics & ICT Academy at PDPM IIITDM Jabalpur



The Ministry of Electronics and Information Technology (MeitY), Government of India has instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM IIITDM Jabalpur aims at scalable training programmes in niche areas of Electronics and ICT for the development of the required knowledge base, skills and tools to unleash the talent of the Indian population. The Academy is identified by the MeitY as a hub of activities for capacity building through training, internships, research, and consultancy programmes in fundamental and advanced topics in electronics, information and communication technologies, the Academy conducts customized academic programmes for students, corporate sectors and researchers.

## About IIITDM Kurnool

Indian Institute of Information Technology Design & Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014. IIITDM Kurnool is fully funded by Ministry of Education. IIITDM Kurnool was accorded the status of Institute of National Importance. The campus was inaugurated by Hon'ble Prime Minister on 20th February 2024. The institute is offering B.Tech, M.Tech and Ph.D. in CSE, ECE and ME. IIITDM Kurnool students bagged AIR 29 and 42 in GATE 2024.

## Physical Mode Faculty Development Programme On

### Machine Learning in Medical Imaging and Systems Biology

The course is designed to provide fundamental knowledge on Machine Learning, Medical Imaging, Systems Biology and highlights the recent developments in the foundations, theories, models and applications for multi-disciplinary research encompassing of Molecular Biology, Structural Biology, Structural Bioinformatics, Computer Aided Drug Design and medical image analysis. The course also aims to discuss the image processing research issues, medical image processing and the image segmentations.

**Who can attend:** Suitable for faculty from colleges, universities, and technical and professional institutes can attend. Students, fresh graduates, researchers, and industry personnel working in allied disciplines can also attend.

### Important Dates:

**Last Date of Online Registration: 05.02.2025**

**FDP Dates: 10-15, February 2025**

### Coordinators:

**Dr. Naresh Babu Muppalaneni**

Associate Professor, Dept. of CSE

IIITDM Kurnool

**Dr. K. Nagaraju**

Assistant Professor, Dept. of CSE, IIITDMK

**Dr. Ranjeet K. Ranjan**

Assistant Professor, Dept. of CSE

PDPM IIITDM Jabalpur

**Contact us:** [nareshbabu@iiitk.ac.in](mailto:nareshbabu@iiitk.ac.in)

**Mobile: 8897165555**

## Physical Mode Faculty Development Programme On

### Machine Learning in Medical Imaging and Systems Biology

**10-15, February 2025**

*Jointly Organized by*

**Indian Institute of Information  
Technology Design and Manufacturing  
Kurnool**



and

**Electronic and ICT Academy  
IIITDM Jabalpur**



*An Initiative of the Ministry of  
Electronics and Information Technology,  
Government of India*



## Physical Mode Faculty Development Programme

on

### Machine Learning in Medical Imaging and Systems Biology 10-15, February 2025 (Physical Mode)

#### Resource Persons

- Prof. P. Manimaran, University of Hyderabad
- Dr. Subrahmanyam Gorthi, IIT Tirupati
- Dr. Nita Parekh, IIIT Hyderabad
- Dr. Mohammad Farukh Hashmi, NIT Warangal
- Dr. Naresh Babu M., IIITDM Kurnool
- Dr. K. Nagaraju, IIITDM Kurnool
- Dr. Shounak Chakraborty, IIITDM Kurnool
- Dr. Suba S, IIIT Hyderabad

#### Course Contents

- Machine learning
- Neural Networks
- Deep Learning
- Image processing concepts
- Medical Image Processing
- Systems Biology
- Machine Learning for PPI predictions
- Case studies for Deep learning based disease prediction
- Application of Deep Learning in the Field of Medical Imaging
- Pattern Recognition in Medical Image Processing
- Segmentation of MRI Image

#### Hands-On Sessions

- Python Basics
- Working on Machine Learning problems
- Working Deep Learning problems
- Experiments with medical image analysis
- Hands on session with network biology
- Experiment with diabetes dataset and validate the results with explainability

#### Programme Features

- Rigorous training for theoretical and practical knowledge on drug design
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions
- Certificate on successful completion with full access to the course material.

#### Registration Details

- Registration link – Please fill out registration using the following link:  
<https://forms.gle/T4bzFeEZvjUsQrDt6>
- Registration fee: 1000/- INR
- Working Lunch will be provided.
- Twin shared hostel Accommodation will be provided
- Last Date for Registration: **05.02.2025**

#### Online Payment Details

- **Internet banking**

Beneficiary Name	IIITDM KURNOOL
Bank Name	ICICI Bank
A/C No.	756701001024
IFSC Code	ICIC0007567

For further details contact

Contact us: [nareshbabu@iiitk.ac.in](mailto:nareshbabu@iiitk.ac.in)

Mobile: 8897165555