About Electronics & ICT Academy at PDPM IIITDM Jabalpur

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.

About MANIT Bhopal

Maulana Azad National Institute of Technology (MANIT), Bhopal is a premier technical university established in 1960. Recognized as an Institute of National Importance, it is funded by the Ministry of Education, India. With a vibrant campus of over 7,000 students and around 300 faculty members, MANIT continues to produce highly skilled professionals to meet the evolving demands of industry and society. For more details, visit the official website: www.manit.ac.in

Online Faculty Development Programme On
Next Generation of Artificial Intelligence
Date: May 19 to 29 2025 (Online mode)

The next generation of artificial intelligence (AI) is revolutionizing industries, making it crucial to equip professionals with the latest advancements. A programme on next generation of AI will provide participants with a comprehensive understanding of cutting-edge technologies, including machine learning, deep learning, computer vision, generative AI, and large language models. Hands-on sessions will enable participants to apply AI tools in real-world scenarios, such as image recognition, content generation, predictive analytics, chatbots, robotics, and automated decision-making, fostering innovation and problem-solving. This interactive programme will empower participants to integrate AI into their respective fields, enhancing productivity, creativity, efficiency, and competitiveness. Participants will also explore AI-driven automation, data-driven insights, smart assistants, and industry-specific applications, helping them adapt to technological advancements. Join us to unlock AI's potential and stay future-ready in the digital era.

Who can attend: Faculty from polytechnic, engineering, science, universities, technical and professional institutes can attend. Researchers and industry personnel working in allied disciplines can also attend.

Important Dates

Last Date of Online Registration: May 15, 2025

Coordinators

Dr. Ashish Kr. Sahu (CSE, MANIT Bhopal)
Dr. Rahul Pal (ECE, MANIT Bhopal)
Dr. Avinash Chandra Pandey (CSE, IIITDM Jabalpur)

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Online Faculty Development Programme On
Next Generation of Artificial Intelligence
Jointly Organized by

Electronics and ICT Academy, Phase II
PDPM IIITDM Jabalpur
Dumna Airport Road, Jabalpur

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

And

Departments of CSE and ECE
Maulana Azad National Institute of Technology Bhopal, M.P

Online Faculty Development Programme
On
Next Generation of Artificial Intelligence
May 19-29, 2025 (Online mode)

Resource Persons

Mr. Vikram Singh (Lead Research Engg.Tejas Network)
Dr. Gourav Modanwal (Emory and Georgia Tech, USA)
Dr. Mitul Kumar Ahirwal (MANIT Bhopal)
Dr. Ashish Kumar Sahu (MANIT Bhopal)
Dr. Rahul Pal (MANIT Bhopal)
Dr. Vijay Bhaskar Semwal (MANIT Bhopal)
Dr. Jitesh Pradhan (NIT Jamshedpur)
Dr. Hathiram Nenavath (IIT Bhilai)
Dr. Avinash Chandra Pandey (CSE, IIITDM Jabalpur)
Dr. Saritha Khetawat, (MANIT Bhopal)

Chief Patron

Dr K. K. Shukla
Director, MANIT Bhopal

Patron

Dr. Deepak Singh Tomar (HOD, CSE)
Dr R. N. Yadav (HOD, ECE)

Faculty Coordinators

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Course Contents

- Introduction to AI and Its Evolution
- Machine Learning and Deep Learning Basics
- Computer Vision Applications
- Generative AI and Large Language Models
- Natural Language Processing (NLP)
- AI for 5G and Beyond
- Industry-Specific AI Applications
- Future Trends and Career Opportunities in AI

Hands-On Sessions

- Implementing algorithms using basic python libraries: tensorflow, Scikit-learn, Keras, Transformers, ImageAI, BERT, etc.
- Hands-on experience with image recognition and object detection.
- The implementation of neural network, deep learning model like CNN, RNN, LSTM and autoencoder.
- Designing and deploying AI-driven chatbots and sentiment analysis models using NLP.
- Using AI to analyze data, forecast trends, and support decision-making.
- Importing LLM Models API for the specific task.

AI applications in communication and signal processing.

Programme Features

This programme offers expert-led sessions conducted by industry and renowned professors form various NITs and IITs professionals. Participants will gain hands-on training through practical exercises with real-world AI applications. This FDP covers the latest AI advancements, including machine learning, deep learning, generative AI and LLM models. Interactive workshops will include engaging discussions, case studies, hands-on sessions, etc. Participants will be awarded certificates only on successful completion of the course.

Registration Details

- **Who can attend:** Faculty and Research Scholars
- **Registration link** – Please fill out registration using the following link:
  https://forms.gle/ggrFUciubLNeaG6d8
- **Registration fee:** Rs. 500/- (INR)
- **Last Date for Registration:** May 15, 2025

Online Payment Details

- **Internet banking**

Beneficiary Name	PDPM IIITDM Jabalpur
Bank Name	INDIAN BANK
A/C No.	50018692852
IFSC Code	IDIB000M694

- **UPI ID and QR Code: iiitdmj@indianbk**

PDPM IIITDM JABALPUR
SCAN & PAY
UPI ID : iiitdmj@indianbk