

About Electronics & ICT Academy at PDPM IIITDM Jabalpur



The MeitY, Govt of India, instituted Electronics and ICT Academies in the year 2015. In the 2nd 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, the corporate sector, and researchers.

About BITS Pilani



Established in 1964, the Birla Institute of Technology and Science (BITS), Pilani is one of India's premier institutions of higher education & is recognized as an Institute of Eminence by Government of India. In NIRF 2025 rankings, the Institute is ranked 7th in university category, and it is ranked #575 in the QS World University Rankings 2027. The Pilani campus is home to around 4,500 students, 350 faculty members, their families, & a large community of dedicated support staff. With strong industry collaborations, world-class research facilities, & a global alumni network of over 186,000, BITS Pilani continues to nurture future-ready professionals, researchers, and leaders.

Faculty Development Programme On

Foundations of Artificial Intelligence: From Classical ML to Modern LLMs October 5 – 15, 2026 (Online)

The programme is designed to provide a comprehensive understanding of the advancements in artificial intelligence (AI), encompassing classical machine learning, deep learning, and modern large language models (LLMs). It covers the fundamental concepts of data preprocessing, feature engineering, supervised and unsupervised learning, deep learning, transformer architectures, generative AI, and LLMs, providing a strong theoretical foundation. The programme combines mathematical principles with practical implementation through expert lectures and intensive hands-on sessions using Python and contemporary AI frameworks. Participants will develop the knowledge and skills required to design, implement, and evaluate AI solutions for real-world applications while gaining exposure to current tools and best practices.

Who can attend: Suitable for faculty from science, engineering, management institutes, polytechnic, and professional institutes. Research scholars, students, fresh graduates, and industry personnel working in allied disciplines can also attend.

Important Dates:

Last Date of Registration: 3rd October 2026

FDP Dates: October 5-15, 2026

Coordinators:

Prof. Pritee Khanna,

Dept. of CSE, PDPM IIITDM Jabalpur

Prof. Abhishek Verma & Prof. Praveen Goyal,

Dept. of Mgmt., BITS Pilani, Pilani campus

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Jointly Organized

by

**Electronics and ICT Academy
PDPM IIITDM Jabalpur**



and

**Department of Management,
Birla Institute of Technology and Science,
Pilani,
Pilani Campus**



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



Faculty Development Programme
On
Foundations of Artificial Intelligence:
From Classical ML to Modern LLMs
October 5 – 15, 2026 (Online)

Resource Persons

- Prof. Abhishek Verma, BITS Pilani
- Prof. Praveen Goyal, BITS Pilani
- Prof. Pabitra Biswas, BITS Pilani
- Prof. Pritee Khanna, PDPM IIITDM Jabalpur
- Prof. Aparajita Ojha, PDPM IIITDM Jabalpur
- Prof. Ashish Sahu, MANIT Bhopal
- Prof. Kuldeep Baishya, IIT Guwahati
- Prof. Ashish Tripathi, MNIT Jaipur
- Prof. Manas Tripathi, XLRI Delhi-NCR
- Prof. Animesh Chaturvedi, IIT Kharagpur

Chief Patron

Prof. V. Ramgopal Rao
Vice Chancellor, BITS Pilani

Patrons

Prof. Sudhir Kumar Barai
Director, BITS Pilani, Pilani Campus

Coordinators

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Student Coordinator(s)

Mr. Anmol Sharma & Ms. Sonam Rathore

Course Contents

- Introduction to AI & ML
- Introduction to Python and Scientific Computing Libraries
- Data Preprocessing
- Classical Machine Learning
- Artificial Neural Networks (ANN)
- Convolutional Neural Network (CNN)
- Recurrent Neural Networks (RNN) and LSTM
- Transformers and Attention Mechanism
- Generative AI (GANs & Diffusion Models)
- Foundation Models & Large Language Models (LLMs)
- Prompt Engineering and Retrieval-Augmented Generation (RAG)
- Agentic AI
- Responsible and Trustworthy AI

Hands-On Sessions

- Python programming for Data Preprocessing missing values Feature Scaling
- Python programming for implementing K-Nearest Neighbor, Naïve Bayes, Decision Trees, Support Vector Machine, Random Forest, XGBoost, Confusion Matrix
- R/Python programming for implementing clustering algorithms
- Python programming for implementing ANN, CNN, RNN and LSTM using TensorFlow/Keras
- Hands-on LLM and RAG

Programme Features

- Exposure to ML, Deep Learning, LLMs, Prompt Engineering and RAG
- Interaction with academic and industry experts.
- Instructor-led hands-on sessions with real-world datasets and AI tools.

Certificates will be issued on successful completion of the course with 80% attendance. It is strict mandate of the EICT academy for issuing certificates to the participants.

Registration Details

- **Registration link:**
<https://forms.gle/kcvAiUtB53T5vWQZA>
- **Registration fee: ₹ 500/-**
- **Last Date for Registration: 3rd October 2026**

Tentative Timing

Session 1	Session 2
3:00 PM to 5:00 PM	6:00 PM to 8:00 PM

Online Payment Details

- **Internet banking**

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

- **UPI ID: iiitdmj@indianbk**

