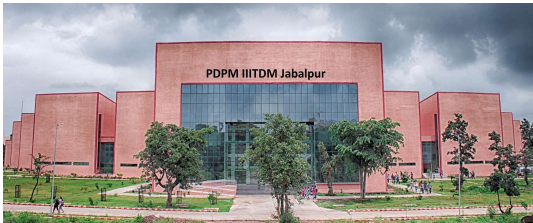


About Electronics & ICT Academy at



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 IIIT Nagpur

Indian Institute of Information Technology, Nagpur (IIITN) is established under the Public-Private Partnership Scheme by the Ministry of Education (erstwhile Ministry of Human Resource Development), Government of India, and is supported by the Department of Higher Education, Government of Maharashtra, and Tata Consultancy Services as Industry Partner. IIITN is recognized as an Institution of National Importance by an Act of Parliament in 2017. IIITN started functioning during the year 2016-17, and shifted to its permanent campus sprawling 100 Acres of land near Butibori, Nagpur

Faculty Development Programme On

A Hands-on Approach in Deep Learning, LLMs, and Prompt Engineering

The FDP is designed to empower students, research scholars, faculty members and industry professionals with both foundational and advanced insights into the rapidly evolving field of Generative AI. The program emphasizes practical understanding and application of deep learning concepts, with a strong focus on transformer-based architectures, Large Language Models (LLMs), and their seamless integration into real-world AI solutions using modern tools, frameworks, and prompt engineering techniques.

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

FDP Dates: July 14 – July 25, 2025

Last Date of Online Registration: 12/07/2025

Theory: Two Hours (10AM to 12 Noon)

Lab Session: Two Hours (02PM to 04PM)

Coordinators

Dr. Avinash C Pandey, IIITDM Jabalpur

avish.p@iiitdmj.ac.in

Dr. Pooja Jain, IIIT, Nagpur

poojajain@iiitn.ac.in

Dr. Tausif Diwan, IIIT, Nagpur

tdiwan@iiitn.ac.in

Contact us

academy@iiitdmj.ac.in, eict@iiitdm.ac.in

Phone No: 8770958231
(Mr Ashvarya Agrawal)

Faculty Development Programme On

A Hands-on Approach in Deep Learning, LLMs, and Prompt Engineering

July 14 – July 25, 2025

Jointly Organized by



and



**Electronics and ICT Academy
IIITDM Jabalpur**

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



Faculty Development Programme On

A Hands-on Approach in Deep Learning, LLMs, and Prompt Engineering

July 14 – July 25, 2025 (online)

Resource Persons

- Dr. Biplab Banerjee, IIT Bombay
- Dr. Aparajita Ojha, IIITDM Jabalpur
- Dr. Avinash C Pandey, IIITDM Jabalpur
- Dr. Vijay Semwal, MANIT Bhopal
- Dr. Shelly Sachdeva, NIT Delhi
- Dr. Pooja Jain, IIIT Nagpur
- Dr. Tausif Diwan, IIIT Nagpur
- Dr. Nishat Ansari, IIIT Nagpur
- Dr. Nileshchandra Pikle, IIIT Nagpur

Coordinators

Dr. Avinash C Pandey

Assistant Professor, IIITDM Jabalpur

avish.p@iiitdmj.ac.in

Dr. Pooja Jain

Assistant Professor, IIIT Nagpur

poojajain@iiitn.ac.in

Dr. Tausif Diwan

Assistant Professor, IIIT Nagpur

tdiwan@iiitn.ac.in

Course Contents

- Deep neural Networks & Convolutional Neural Networks
- Pretrained Convolutional Neural Networks and Sequence Models
- Attention & Transformers Architectures
- Pretraining & Finetuning for NLP Applications using Transformers
- Prompting & Prompt Engineering
- LangChain Expression Language (LCEL), Runnables, and Chains
- LLM Customization, Low Rank Adaptation
- Parameter Efficient Fine Tuning
- Direct Preference Optimization

Hands-On Sessions

- Python programming, Pytorch, Keras, Google Colab
- CNN Implementation on MNIST Dataset and Performance Analysis
- Transfer Learning using Pretrained CNN, Optimizations & Performance Comparisons
- Pretraining & Finetuning for NLP Applications using Transformers for Text Classification & NER
- Tasks (Using Hugging Face & OpenAI Libraries) Prompting & Prompt Engineering using OpenAI API & LangChain
- Prompting with Messages, Chain of Thought Prompting, Structured Output, Tools & AI Agents
- LoRA Adapters, LoRA fine tuning for summarization task
- Direct Preference Optimization (DPO) using LoRA

Programme Features

- Rigorous learning to gain theoretical knowledge on
- Deep Learning, LLMs, Prompting & LLM Customizations
- Instructor-led & guided hands-on sessions on the aforementioned theoretical topics
- **Nvidia Certifications at No Additional Cost**
 1. Fundamentals of Deep Learning
 2. Building Transformer-based NLP Applications
 3. Building LLM Applications using Prompt Engineering
 4. Efficient LLM Customizations

Registration Details

- Registration link – Please fill out registration using the following link:
<https://forms.gle/MnJ2ccnSxhYv1ayq7>
- **Registration fee:** INR 500/ for online participation
- **Last Date for Registration:** 12/07/2025

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

- **QR Code:**

