

Joint FDP on Prompt Engineering for Educators

About EICTA, Consortium

EICTA Consortium is a joint initiative of Ministry of Electronics & Information Technology (MeitY) and IITs, NITs & IIITs under the “Scheme of Financial Assistance for setting up of Electronics and ICT Academies”. EICTA Academies of IIT Kanpur, IIT Guwahati, MNIT Jaipur, & IIITDM Jabalpur are jointly organizing a Faculty Development Programme (FDP) on **Prompt Engineering for Educators** scheduled to be conducted from **19th June to 30th June 2026**.

Spoke Academy

Shah & Anchor Kutchhi Engineering College, Mumbai

Coordinators:

- Dr. B V Phani, IIT Kanpur – Principal Coordinator
- Prof. Gaurav Trivedi, IIT Guwahati – Jt. Principal Coordinator
- Prof. Mahipal Jadeja, MNIT Jaipur - Jt. Principal Coordinator
- Dr. Ashish Singh Parihar, PDPM IIITDM Jabalpur - Jt. Principal Coordinator
- Prof. Manisha Mane, Shah & Anchor Kutchhi Engineering College- Jt. Principal Coordinator

Registration Open to:

Faculty, PhD Scholars, Students and Professionals

FDP Objectives

This course is designed to equip educators, researchers, and academic professionals with the knowledge and practical skills required effectively leverage Artificial Intelligence (AI) and Generative AI in teaching, research and curriculum development. Participants will gain a strong understanding Large Language Models (LLMs), prompt engineering techniques and AI-powered tools while exploring their applications across Computer Science, Electronics, and related disciplines. The course aims to enhance academic productivity through AI- assisted content creation, assessment design, research support, and curriculum mapping, while fostering awareness of ethical considerations and responsible AI usage.

FDP Outcomes

- ❖ Apply Generative AI tools and advanced prompting techniques to enhance teaching, learning, research and academic administration.
- ❖ Design effective prompts for domain specific applications in Computer Science, Electronics, Embedded Systems, VLSI, and related discipline.
- ❖ Utilize AI for literature reviews, academic writing, proposal development, assessment creation and curriculum mapping.
- ❖ Develop AI-enhanced learning resources, lesson plans, presentations and instructional content aligned with educational outcomes.

FDP Curriculum

Introduction to AI & Generative AI

- M1: Evolution of AI and Large Language Models
- M2: Generative AI Tools & Their Applications

Fundamentals of Prompt Engineering

- M3: Anatomy of a Prompt
- M4: Writing Effective Prompts – Guided Practice

Core Prompting Strategies & Techniques

- M5: Zero-Shot, Few-Shot & Chain-of-Thought Prompting
- M6: Advance Prompting: ToT, ReAct & Meta-Prompting

Prompt Engineering for Computer Science Topics

- M7: Prompts for Programming, Algorithms & Data Structures
- M8: Prompt of Systems, Databases & Networking

Prompt Engineering for Electronics Topic

- M9: Prompts for Circuit Analysis, Signals & Systems
- M10: Prompt for VLSI, Embedded Systems & IoT

AI Assisted Research and Academic Writing

- M11: Literature Review, Summarization and Paper Writing
- M12: Grant Proposal, Conference, Abstracts & Industry Projects

AI for Lesson Planning & Content Creation

- M13: Lesson Planning, Learning Objectives & Lecture Content
- M14: AI Tools for Slide Decks, Visuals, & Course Materials

AI for Assessment, Curriculum Design & Mapping

- M15: AI Generated Assessment, Question Banks and Rubrics
- M16: Curriculum Mapping, CO-PO Attainment & syllabus Design

AI Ethics, Integrity & Policy and Tool Ecosystems

- M17: AI Ethics, Bias, Hallucinations & Academic Integrity
- M18: Complete AI Tools Ecosystems for Educators

Capstone Project, Presentation and Way forwards

- M19: Design an AI Enhanced Teaching Module (Capstone)
- M20: Capstone Presentations

₹500 Faculty/Research
₹1000 Industry/students/others

Online
Mode of delivery

40 Hrs
Course Duration

June 19 -30
1:00 PM to 5:15 PM



SCAN QR

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Registration Link:
<https://forms.gle/NXQfLdaQUg2BKzLG9>

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

*Registration fee is non-refundable