

Transforming Education through AI LMS and Digital Pedagogy

EICTA Consortium is a joint initiative of Ministry of Electronics & Information Technology (MeitY), Government of India, in collaboration with IITs, NITs & IIITs under the “Scheme of Financial Assistance for setting up of Electronics and ICT Academies” is committed to advancing quality technical education and building capacity among faculty members across the country.

Coordinators:

- **Dr. B V Phani**, IITK– Principal Coordinator
- **Prof. Mahipal Jadeja**, MNIT Jaipur - Jt. Principal Coordinator
- **Dr. Akshay Pandey**, PDPM IIITDM Jabalpur - Jt. Principal Coordinator

Course Objectives

Develop a foundational understanding of Artificial Intelligence, Large Language Model (LLMs) and Agentic AI in context of education and digital pedagogy.

Build practical skills in prompt engineering and the development of custom GPTs for teaching, assessment, and educational content creation.

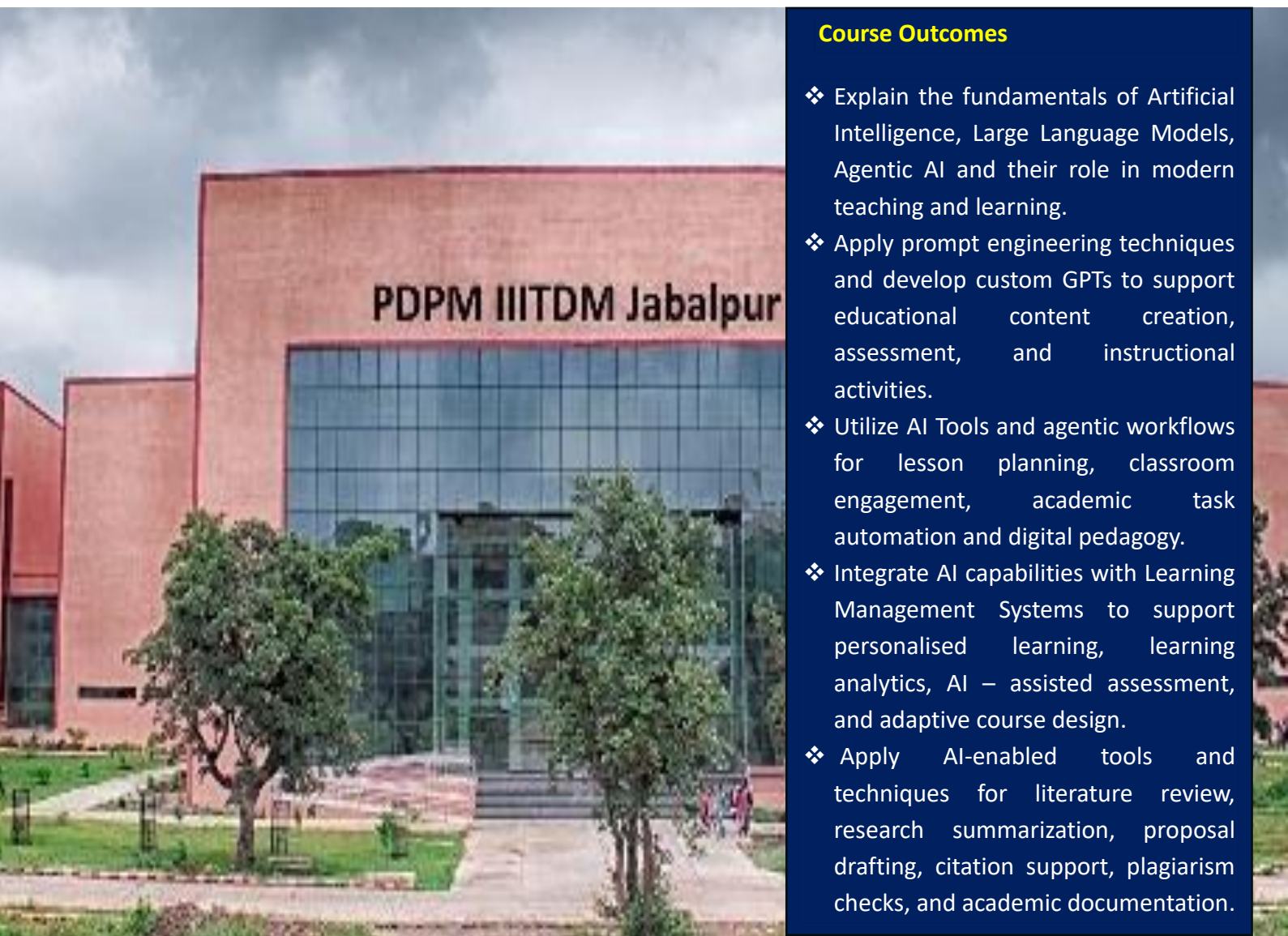
Understand AI Powered teaching practices, including lesson planning, classroom engagement workflow automation, and AI assisted learning.

Gain Knowledge of Learning Management Systems, AI Integration, personalised learning, learning analytics, AI-assisted assessment, and adaptive learning pathways.

Develop Competencies in AI-assisted research, academic documentation, literature review, research proposal development, referencing and maintaining academic integrity.

Registration Open to:

Faculty, PhD Scholars, Students and Professionals



Course Outcomes

- ❖ Explain the fundamentals of Artificial Intelligence, Large Language Models, Agentic AI and their role in modern teaching and learning.
- ❖ Apply prompt engineering techniques and develop custom GPTs to support educational content creation, assessment, and instructional activities.
- ❖ Utilize AI Tools and agentic workflows for lesson planning, classroom engagement, academic task automation and digital pedagogy.
- ❖ Integrate AI capabilities with Learning Management Systems to support personalised learning, learning analytics, AI – assisted assessment, and adaptive course design.
- ❖ Apply AI-enabled tools and techniques for literature review, research summarization, proposal drafting, citation support, plagiarism checks, and academic documentation.

Course Curriculum

Module 1: Foundations of Agentic AI and Large Language Models

- Understanding Artificial Intelligence in Education
- Fundamentals of Large Language Models
- Role of AI in Teaching and Learning
- Introduction to Agentic AI and AI Agents
- Ethical Use of AI
- Bias in AI Systems
- Global Trends and Case Studies
- Hands on Exploration of ChatGPT, Gemini and Claude.

Module 2: Prompt Engineering and Custom GPTs for Educators

- Principals of Effective Prompt Design
- Structured and Conversational Prompting
- Crafting Prompts for Teaching
- Assessment Feedback and Content Creation
- Creating Custom GPTs
- Subject Specific GPT Applications
- Practical Prompt Refinement Exercises

Module 3: AI Powered Teaching and Agentic Learning Practices

- AI for Educational Content Creation
- Quiz Generation
- Lesson Planning

- Visual Storytelling
- Classroom Engagement through AI Platforms
- Introduction to AI Agents and Agentic Workflows
- Automation of Repetitive Academic Tasks
- Practical Hands-on Activities

Module 4: Teaching with Learning Management Systems in the AI Era

- Effective use of Moodle and Google Classroom
- Integration of AI Features with Learning Management Systems
- Personalised Learning and Learning Analytics
- AI Assisted Assessment and Grading
- Gamification
- Adaptive Learning Pathways
- Smart Course Design Activity

Module 5: AI for Research, Documentation, and Academic Growth

- AI Assisted Literature Review
- Research Summarization
- Identification of Research Gaps
- Drafting Abstract and Research Proposals
- Referencing and Citation Support
- Plagiarism and Integrity Checks
- Visual Research Representation
- Hands on Development on AI Assisted Research Idea



Fee

Faculty / Postdocs/Phd/Students:
₹ 885/-
Industry Professionals: ₹1770/-
Rest of the World USD: US\$ 60



Mode

100% Online



Duration

40 Hours



Batch Dates

Sep 15th – Sep 25th, 2026
03:00 PM – 07:15 PM
(Mon to Sat.)

