



FDP on Advancing to Industry 5.0 with AI
From 17.08.2026 to 21.08.2026
O. Plan No. ID-8

Organized by Department(s) of Computer Science and Engineering & Electrical Engineering
NITTTR, Chandigarh

DATE	10:00 a.m. to 11:30 a.m.		11:45 am to 1:15 pm		2:30 p.m. to 4:00 p.m.
17.08.2026 (Monday)	Overview of Generative AI and Agentic AI (SW)	T E A B R E A K	Open Source Tools for Generative AI and Agentic AI (SW)	L U N C H B R E A K	MultiOmics Data Analysis for Clinical Outcome Prediction in Cancer Patients (NG)
18.08.2026 (Tuesday)	Prompt Engineering (MK)		Generative AI Tools for Lesson Planning, MindMaps and Presentation Designing (JS)		From Reactive Marketing to Predictive Customer Experience: AI's Role in Industry 5.0 (DJ)
19.08.2026 (Wednesday)	Prompt Engineering and AI Agents (MD)		Role of AI in Mental Awareness (MD)		Big Data Analytics for Smart Grid (RT)
20.08.2026 (Thursday)	Demonstrating AI Applications using MATLAB (RT/Expert from Mathworks)		Demonstrating AI Applications using MATLAB (RT/Expert from Mathworks)		Demonstrating AI Applications using MATLAB (RT/Expert from Mathworks)
21.08.2026 (Friday)	Retrieval-Augmented Generation for Industry 5.0: Building Human-Centric AI Assistants (AB)		IoT and Big Data Analytics from Industry 5.0 perspective (SK)		Valediction and Quiz (MK/RT)

Course Coordinators: Dr. Mala Kalra and Dr. Ritula Thakur

Resource Persons

RT: Dr. Ritula Thakur, Head, Electrical Engg Deptt, NITTTR, Chandigarh

MK: Dr. Mala Kalra, Assistant Professor, NITTTR, Chandigarh

SW: Er. Shruti Wadhwa, Corporate Trainer, NIIT, Gurugram

NG: Dr. Neelam Goel, Assistant Professor, Department of IT, UIET, Punjab University, Chandigarh

JS: Mr. Jasjeet Singh, Trainer, Chandigarh Design School

AB: Dr. Arshdeep Bahga, Director, Cloudemy Technology Labs, Chandigarh (Former Research Scientist, Georgia Tech, USA)

SK: Dr. Sumit Kalra, Associate Professor, Department of CSE, IIT Jodhpur

MD: Mr. Mukesh Dhingra, IT Manager Quality Assurance, Aon

DJ: Mr. Damanjeet Singh, Director - Marketing Strategy, Rakuten Mobile Inc., Japan

COURSE COORDINATORS
(Dr. Mala Kalra/Dr. Ritula Thakur)

HEAD OF DEPTT.
(Prof. C. Rama Krishna)