

IEEE CIS Summer School on Emerging Trends in Computational Intelligence, Deep Learning, and Large Language Models

IIT Indore, 23 - 25 July, 2025

Time/ Date	23/07/2025	24/07/2025	25/07/2025
08:00 AM - 09:00 AM	Breakfast (Daily Needs Side, Dining Building)	Breakfast (Daily Needs Side, Dining Building)	Breakfast (Daily Needs Side, Dining Building)
	Registration (LRC Seminar Hall, Ground Floor)		
09:00 AM - 09:25 AM	Inauguration Ceremony		
09:30 AM - 09:45 AM	High-Tea		
09:45 AM - 10:45 AM	Keynote Talk - 1: Prof. Vineeth N Balasubramanian (IIT Hyderabad)	Keynote Talk - 6: Prof. Asif Ekbal (IIT Jodhpur)	Invited Talk - 2: Prof. Dinesh Singh (IIT Mandi)
10:45 AM - 11:00 AM	Tea Break		
11:00 AM - 12:00 PM	Keynote Talk - 2: Prof. Kalyanmoy Deb (Michigan State University, USA)	Invited Talk - 1: Prof. Puneet Gupta (IIT Indore)	Industrial Talk - 1: Sachin S. Pawar (TCS Research)
12:15 PM - 12:30 PM	Lunch Break (Daily Needs Side, Dining Building)	Lunch Break (Daily Needs Side, Dining Building)	Panel Discussion
12:30 PM - 02:00 PM			Lunch Break (Daily Needs Side, Dining Building)
02:00 PM - 02:30 PM	Keynote Talk - 3: Prof. Millie Pant (IIT Roorkee)	Contributed Talk - 1 & 2: Dr. Nehal Ahmad (JMI) and Dr. Asif Khan (AMU)	Industrial Talk - 2: Arindam Chatterjee (Sahaj Software)
02:30 PM - 03:00 PM		Young Researcher Forum: Online Presentations by Participant	
03:00 PM - 04:00 PM	Keynote Talk - 4: Prof. Pushpak Bhattacharyya (IIT Bombay)	Young Researcher Forum: Offline Presentations by Participant	Industrial Talk - 3 + Hands-on Session: Suman Paul Choudhury (Sahaj Software)
04:00 PM - 04:15 PM	Tea Break		
04:15 PM - 04:45 PM	Keynote Talk - 5: Prof. Sansanee Auephanwiriyakul (CMU, Thailand)		Mentorship Session
04:45 PM - 05:15 PM			Closing Ceremony
6:00 PM		Gala Dinner (Gather in Front of LRC)	
08:00 PM - 10:00 PM	Dinner (Daily Needs Side, Dining Building)		Dinner (Daily Needs Side, Dining Building)

Venue for all lectures: LRC Seminar Hall, Ground Floor.

This "schedule" is tentative and may be subject to change.

Talk/Event	Title of Talk
Keynote Talk - 1	Do AI Models (like DeepSeek) Reason?
Keynote Talk - 2	Machine Learning Assisted Evolutionary Multiple-criterion Optimization
Keynote Talk - 3	Neural networks and their applications
Keynote Talk - 4	Natural Language Processing in Low-Resource Settings and for Rare Language Phenomena
Keynote Talk - 5	Uncertainty Data Analysis
Keynote Talk - 6	Generative AI for Healthcare
Invited Talk - 1	Applications of Heart-rate Estimation from Non-contact Face Videos
Invited Talk - 2	Shallow to Deep Learning on Graphs
Industrial Talk - 1	LLM Applications: Safeguarding Enterprise Queries and Resolving Disputes
Industrial Talk - 2	Dear LLM, Please Stop Hallucinating
Industrial Talk - 3	Demystifying LLM Agents: Building Blocks, Workflows, and Best Practices
Contributed Talk - 1	Drishiti-AI: Computational Modeling of Retinal Disorders Using Advanced Machine Learning Algorithms
Contributed Talk - 2	Constructive Approximation: From Classical Methods to Neural Network Operators
Panel Discussion	The Innovation Gap: Academia vs. Industry (Prof. M. Tanveer (Host), Prof. Dinesh Singh, Mr. Sachin S. Pawar, Mr. Arindam Chatterjee, Mr. Suman Paul Choudhury)
Mentorship Session	By: Prof. Dinesh Singh, Mr. Sachin S. Pawar, Mr. Arindam Chatterjee, Mr. Suman Paul Choudhury