

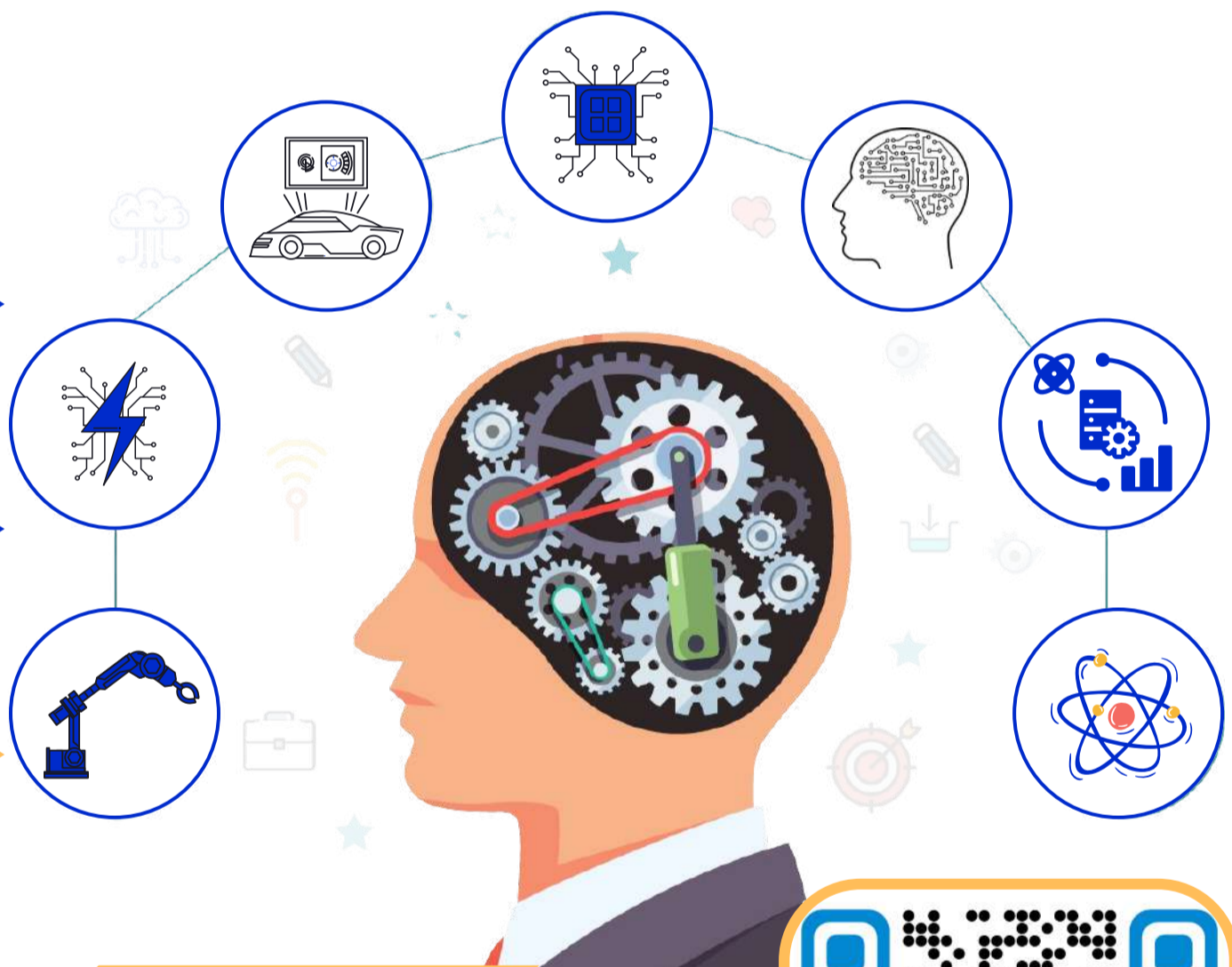
## Research Trends in Artificial Intelligence and Machine Learning for Engineering Challenges

**International /National  
Speakers**

**Hands-on Practices**

**Real-life Engineering  
Solutions**

**Research Discussions**



**Mode of Course  
Hybrid**

**Duration:  
December 06-10, 2022**



Scan QR to Register

**Organized by**  
**Department of Computer Science Engineering & Department of Electrical  
Engineering**  
**Malaviya National Institute of Technology Jaipur**  
**Rajasthan - 302017, India**  
**Contact for more details- [ieecis.mnit22@gmail.com](mailto:ieecis.mnit22@gmail.com)**

## **About the IEEE CIS Summer Schools**

The IEEE CIS Summer Schools are designed for senior undergraduate, graduate students, post-doc and young researchers who are willingly to deepen their skills in computational intelligence and related areas. The objective is to stimulate them to involve in rapidly evolving fields, and to foster participation in the adventure of research. The IEEE CIS Summer Schools are held not only in summer but all year around. The length of each summer school is expected to last from 3 days to 1 week. Summer Schools usually consist of lectures, seminars, discussions, and visits to local academic organizations or industries. Lectures will be given by international scholars working in computational intelligence and interdisciplinary areas from fundamental theory to applications. The participants will be given a chance to meet peer researchers, international scholars (especially young scientists), to discuss hot topics and on-going research, and also to experience local industry and culture.

## **About MNIT Jaipur**

The Institute was established in 1963 as Malaviya Regional Engineering College Jaipur. On June 26, 2002 it was given the status of National Institute of Technology and proclaimed 'Institute of National Importance'. It is fully funded by the Ministry of Education (MoE), Government of India. It offers post-graduate and undergraduate courses (B.Tech., M.Tech., MBA, M.Sc. & Ph.D.) in leading fields of engineering, technology, architecture, management & science. It has state of art laboratory facilities along with excellent infrastructure for research, consultancy and developmental activities besides imparting regular teaching & learning process. Located in the central location of Jaipur city, its campus is spread over 325 acres of lush greenery. It has a residential campus offering accommodation to faculty, staff and students. The campus provides all essential amenities for community living like staff clubs, hospital, bank, post office, community centre, school, staff residences, gymnasium, playing fields, guest houses, 24 hours internet connectivity, and canteen.

## **Objectives of the Proposed Summer School**

This IEEE CIS summer school aims to develop understanding of fundamentals along with new research trends of Artificial Intelligence and Machine Learning for Engineering Challenges among the participants. It will present an opportunity for students, budding researchers, faculty and industry professionals to comprehend current state of art in the area and develop skills to apply the same. Several well-known and renowned speakers of this field will exchange their learning, research ideas and hands-on training with software tools. This summer school will also facilitate interactive sessions for the participants with the stalwarts of this field for building their confidence and an insight into the industry research as well for the real world engineering applications. Key feature of this summer school is to disseminate the knowledge by following the recent advancements of Artificial Intelligence and Machine Learning with their applications for different engineering domains and equip the participants to delve into these computational techniques for developing various solutions.



Prabha Bhawan, MNIT Jaipur

## Resource Persons

NAME	AFFILIATION
Prof. N. P. Padhy	Director MNIT Jaipur
Prof. Chetan Arora	IIT Delhi
Dr. Santosh Viparthy	IIT Ropar
Dr. Hossein Shirazi	University of San Diago, USA
Dr. Debasis Das	IIT Jodhpur
Prof. Ritwik Banerjee	Stoney Brook University, USA
Ms. Trapti Kalra	IBM India, Gurgaon
Prof. Jaideep Vaidya	Rutger University, USA
Dr. Richa Singh	IIT Jodhpur
Prof. Alessandro Brighenten	University of Padova, Italy
Prof. Rafal Weron	Wroclaw University of Science and Technology, Poland

## Tentative Program

The proposed program includes :-

- 10 Plenary Sessions (2 hours each)
- 4 Demo Session (2 hours each)
- 1 Panel discussion (2 hours )



Hostels, MNIT Jaipur

## Course Fee Structure

Participation fees is as follows:

Participants	Type	Mode			
		Including 18% GST			
		Early Bird		After Early Bird (i.e. Dec. 01, 2022)	
		Online	Offline*	Online	Offline*
From Abroad	Students, Academicians and Industry Personnel	US\$ 15	US\$ 50	US\$ 20	US\$ 55
From India	Industry Personnel	INR 1000	INR 5000	INR 1500	INR 5500
	Faculty from Academic Institutes	INR 700	INR 2000	INR 1000	INR 2500
	Students from other Academic Institutes	INR 500	INR 1000	INR 700	INR 1500
	Faculty from MNIT Jaipur	INR 700	INR 1500	INR 1000	INR 2000
	Students from MNIT Jaipur	INR 0	INR 0	INR 0	INR 0
	Participants from other Academics Institutes of Rajasthan	INR 0	INR 0	INR 0	INR 0

\*Registration fee for offline mode includes all instructional materials, computer use for tutorials and assignments, tea and lunch (Excluding MNIT Students) on all days. The participants will be provided with accommodation on payment basis based on availability as per Institutes rules. GST needs to be paid.

Please carry a valid ID card during the program.

## How to Register

- Register for the course by paying the Registration Fee through NEFT as per the following details:  
Name of Account Holder: "Registrar (Sponsored Research), MNIT Jaipur"  
Account No.: 676801700388  
Bank: ICICI Bank Ltd.  
Branch: MNIT Jaipur  
IFSC Code: ICIC0006768  
MICR No. 302229031
- After paying the Registration Fee, it is mandatory for the participants to register at the registration link <https://forms.gle/Qi5AHZkaUNeVBcL18>
- Seats are limited and will be available on a First Come First Served basis.
- It is compulsory for participants to be present in all sessions and submit all assignments in order to receive the certificate.**



Vivekananda Lecture Theatre Complex, MNIT Jaipur

## Chief Patron



Dr. R.K. Tyagi  
Chairman, Board of Governors  
MNIT Jaipur

## Patron



Prof. N. P. Padhy  
Director  
MNIT Jaipur

## General Chairs



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## Organizing Committee Members



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