Malaviya National Institute of Technology Jaipur
(*An Institute of National Importance*)

IEEE Computational Intelligence Society

G20 भारत 2023 INDIA

NAMIBIA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNESCO Chair on Secure High-performance Computing for Higher Education and Research

DIAMOND JUBILEE

Venue: MNIT Jaipur

Duration: September 4 - 8, 2023

IEEE Computational Intelligence Society (CIS) Summer School

Artificial Intelligence and Machine Learning for Engineering and Social Science Research
(Hybrid Mode)

International/National Speakers

Hands-on Practices

Panel Discussion

"Add–On Opportunity"

Hackathon

Organized by

Department of Computer Science Engineering
& Department of Electrical Engineering
Malaviya National Institute of Technology Jaipur, Rajasthan – 302017, India
Contact – ieeecis.mnit22@gmail.com
https://ieeecis2023.mnit.ac.in/

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 Schoolsare 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.

Malaviya National Institute of Technology Jaipur (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 IEEE CIS Summer School at MNIT Jaipur 4 - 8 Sept, 2023

This IEEE CIS summer school aims to develop understanding of fundamentals of advanced Artificial Intelligence(AI) and Machine Learning(ML) for participants through exercises, project based learning and industry specific problem solving. It will present an opportunity to young scholars to think, innovate, design and create new solutions to Engineering and Social Science problems. It will assist them in comprehending the real-world applications of these technologies (AI & ML), which can be used to address issues including climate change, insufficient healthcare, and poverty, education among others.

AI is playing a major role in the fourth industrial revolution and a lot of evolution in various ML methodologies have been observed. AI techniques are widely used by the practicing engineers to solve a whole range of hitherto intractable problems. Advances AI, particularly large language models (LLMs), are substantially affecting social science research. These ML models pertained on vast amounts of text data are increasingly capable of simulating human-like responses and behaviors, offering opportunities to test theories and hypotheses about human behavior at great scale and speed.

This school will feature Keynote and Invited Speakers (Including Women in Engineering) from Academia and Industry both. A panel discussion with experts to solve the doubts and throw the lights on the current issues related to AI/ML research will be held. Hands on laboratory is also spread over one day.

An add on event **"Hackathon"** with the Industries to provide opportunity to participants to develop a solution on their own is also planned. Winners of the Hackathon will get the Prizes and Certificates. The Hackathon is conceived to challenge India's innovative minds to conceptualize ideas and framework using AI, Deep Learning, ML, etc. This event is going to be conducted in physical mode in two phases viz. Initial Phase/Idea screening round and Grand Finale round. In the Initial round, the submitted ideas will be thoroughly screened and scrutinized and the selected ones will be moved to the Grand Finale, which will be held physically at MNIT Jaipur on 7th September 2023. Best ideas will be declared winners.

Separate registrations are required for IEEE CIS Summer School. Please visit website for more clarifications http://ieeecis2023.mnit.ac.in/

Resource Persons

NAME	AFFILIATION
Grace Eden	University of York, England
Bruhadeshwar Bezawada	Southern Arkansas University, United States
M. Tanveer	IIT Indore, India
Sonali Agarwal	IIIT Allahabad, India
Harish Sahu	DRDO, India
Sidharth Pancholi	Purdue University, USA
Shreyan Datta Chakraborty	Oklahoma State University, Japan
Ren-Hung Hwang	NYCU, Taiwan
Ram Bilas Pachori	IIT Indore, India
Sanskar Soni	Sprinklr, India
Vishal Bachani	New Benefits, Dallas, Texas, United States
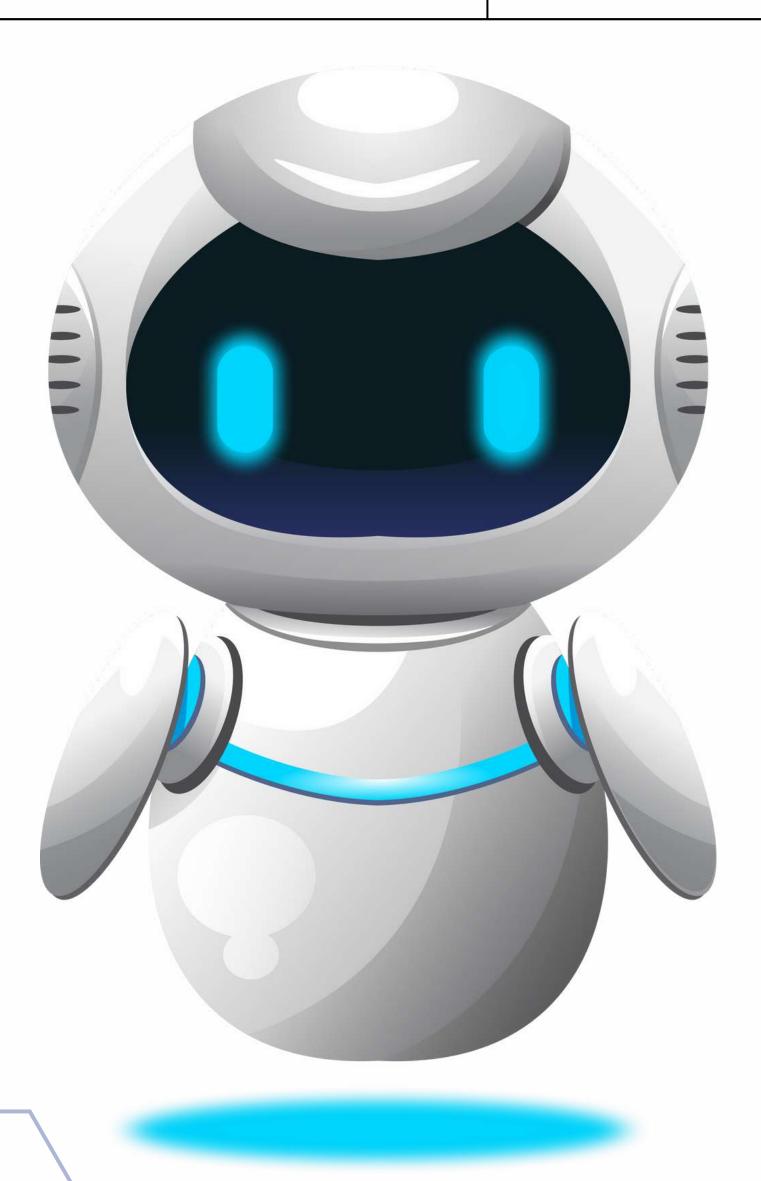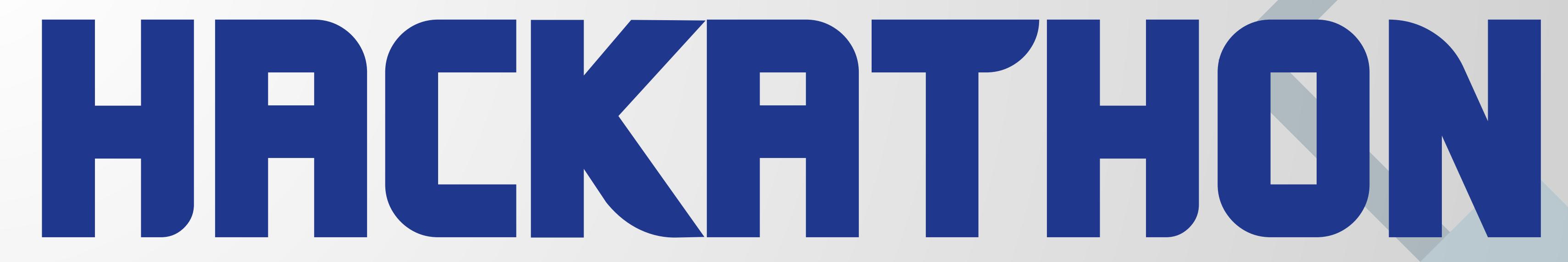
Program

The proposed program includes 11 lecture session(s), 1 panel discussion and 4 hands-on/ demo session(s), etc:

- 5 Academic Sessions (1.5 hours each)
- 3 Industry Sessions (1.5 hours each)
- 3 Women Engineers Session (1 hours each)
- 4 Hands-on/ Demo Session(s) (1.5 hours each)
- 1 Panel Discussion (1.5 hours)
- **Hackathon** **(24 hours, Starts on 7th Sept 2023)**

HACKATHON

Join the brightest minds in tech for an epic coding marathon and win amazing prizes!

SIGN UP 👤 July 15, 2023

Deadline Aug 15, 2023

Notification Aug 28, 2023 (To selected Participants)

Grand Finale Sept 7, 2023

Location 📍 MNIT Jaipur

1ST INR 40000

2ND INR 25000

3RD INR 10000

READ MORE

ELIGIBLE

Artificial Inteligence based Ideas are encouraged.
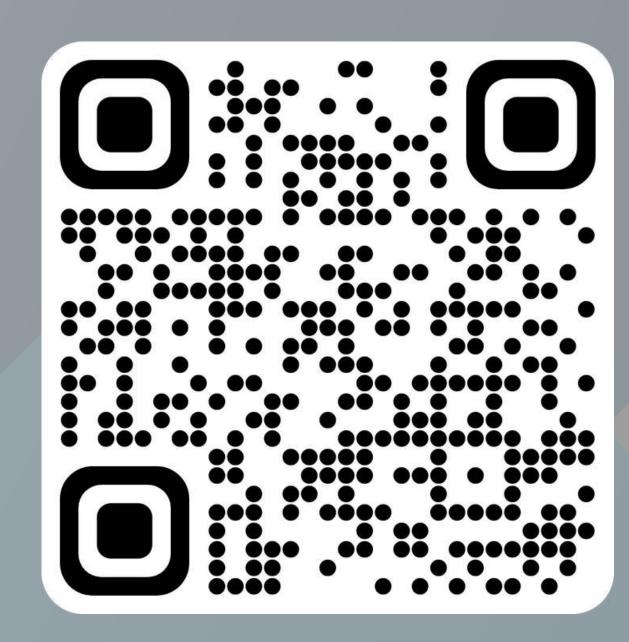
The hackathon is open to college students from India.

Whether you are studying engineering, computer science, or any other discipline, as long as you are currently enrolled in a college in India, you are eligible to participate.

We encourage students from all years and branches to showcase their skills and join us in this exciting hackathon.

👥 **REGISTER** ⟫

🌐 https://forms.gle/qBY1UftcX1akqSpq5

OR

Fee Structure

• **Participation fee for IEEE-CIS Summer School :**
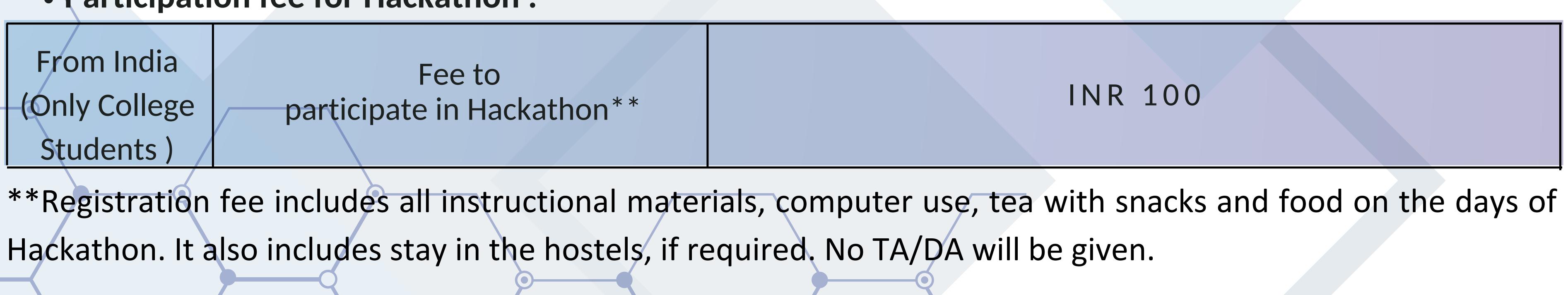
Participants	Type	Mode			
		Early Bird		After Early Bird	
		Online	Offline*	Online	Offline*
From Abroad	Students, Academicians and Industry Personnel	US$15	US$50	US$20	US$55
From India	Industry Personnel	INR 1000	INR 5000	INR 1500	INR 5500
	Faculty from Academic Institutes (Other than Rajasthan)	INR 700	INR 2000	INR 1000	INR 2500
	Students from Academic Institutes (Other than Rajasthan)	INR 500	INR 700	INR 700	INR 1000
	Faculty from Academic Institutes of Rajasthan and MNIT Jaipur	INR 500	INR 1000	INR 700	INR 1200
	Students from MNIT Jaipur	INR 0	INR 0	INR 0	INR 0
	Students from Academic Institutes of Rajasthan	INR 250	INR 500	INR 400	INR 800

*Registration fee for offline mode includes all instructional materials, computer use for tutorials and assignments, tea and lunch (Excluding MNIT Students) on all days. No TA/DA will be given to the participants.

• **Participation fee for Hackathon :**

From India (Only College Students)	Fee to participate in Hackathon**	INR 100

**Registration fee includes all instructional materials, computer use, tea with snacks and food on the days of Hackathon. It also includes stay in the hostels, if required. No TA/DA will be given.

How to Register

• Account details for the registration fee payment:

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
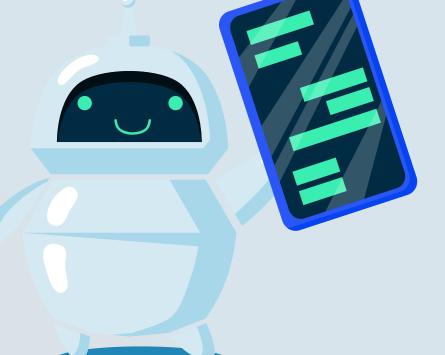**Payment methods:** UPI, VISA, MasterCard, NEFT, RTGS

IEEE CIS Summer School
Registration deadlines: Early Bird registration August 15, 2023 and Late registration August 30, 2023

• After paying the Registration Fee, it is mandatory for the participants to register at the registration link : https://forms.gle/zRY14Y4PzETVYzv59
• 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.

Hackathon
Registration deadlines: August 15, 2023 (Hard Deadline)

• After paying the Registration Fee, it is mandatory for the participants to register at the registration link : https://forms.gle/qBY1UftcX1akqSpq5

NOTE: Participants of IEEE-CIS summer school, if interested, can participate in Hackathon with its separate registration along with IEEE-CIS summer school on or before 15 Aug 2023.