



## Organizing Committee

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### Submission Link:

<https://forms.gle/8WXNFHDxd94FzyhF6>

### For more details

### Visit us at:

<https://sites.google.com/view/ncies-a-2024/home>

### or write to us by email:

[ncies2024@gmail.com](mailto:ncies2024@gmail.com)

### Precise details about

NIT Kurukshetra at:

<https://www.nitkr.ac.in>

## PAPER SUBMISSION

**Last Date of Paper Submission**      15<sup>th</sup> Dec. 2023

**Decision Notification**              15<sup>th</sup> Jan. 2024

**Registration Deadline**            5<sup>th</sup> Feb. 2024

## REGISTRATION

**Research scholars/Students**      ₹500

**Faculty**                                      ₹1500

**Industry/R&D Org.**                      ₹3000

## About the conference

The national conference on intelligent electronic systems and applications (NCIESA-2024) will address all the major areas of electronics, computation, communication and control engineering covering fundamental theory, tools, applications, systems, testbeds and field deployment. The main focus of NCIESA-2024 is to bring together researchers, engineers, and industry personnel from multidisciplinary backgrounds on a common platform. It will facilitate the exchange of ideas among interested researchers, students, industrialists, developers and practitioners. This conference will also feature conference talks and parallel technical sessions.

## Conference Tracks

Technical paper submissions are invited under following topics, but are not limited to:

### Track 1: Wireless & Optical Technologies

- Mobile Communications & Mobility
- Smart & Mobile Antennas
- MIMO & Beam Forming
- Network Technologies
- Computer Security
- Next Generation Wireless Networks
- RFID Devices/Systems/Applications
- Optical Communications
- Optical Signal Processing
- Microwave Photonics
- Free-Space Optics
- Ultrafast Optical Devices

### Track 3: AI/ML, Cloud & FoG Computing Technologies

- Neural Networks & Deep Learning
- Reinforcement Learning
- Federated Learning
- Adversarial Learning
- Cloud Computing
- FoG Computing
- Big Data Analytics
- Applications of Block Chain
- AI for Control Systems
- AI for Decision-Support Models

### Track 5: Robotics, Mechatronics, Instrumentation and Automation Technologies

- Measurement Techniques
- Sensors & Actuators
- Electronic Instrumentation
- Instrumentation in Robotics
- Intelligent Medical Robotics and Automation
- Wearable and Implantable Medical Devices and Systems
- Smart Automation Technologies in Mechatronics
- Robot Control Architectures
- Cognitive Robotics

### Track 2: VLSI, Embedded Systems and IoT Technologies

- Low Power VLSI
- High Frequency Amplifiers
- High Speed Devices
- Device Fabrication & Characterization
- Micro-Electronics Device Optimization
- FPGA Implementation
- Embedded Coding & System
- Embedded System & Security
- IoT Applications
- Intelligent Autonomous Systems
- Biomedical Instrumentation

### Track 4: Signal Processing Technologies

- Biomedical Signal Processing
- Image, Video and Multidimensional Signal Processing
- Pattern Recognition
- Computer Vision
- Mixed Signal Processing
- Speech Signal Processing
- VLSI Architectures for High Speed Processing
- Energy Efficient Design and Implementation
- RADAR Signal Processing
- Signal Processing for Robotics
- Remote Sensing & Signal Processing

### Track 6: Electrical Vehicles & Power Electronics Technologies

- Power Engineering and Power Electronic Systems
- Electrical Vehicles
- Renewable Energy
- Aerodynamics in Automobiles
- Electrical Machines and Adjustable Speed Drives
- Motor Drive Technologies for Industrial Applications
- Smart-Grid Technologies & Applications
- High Voltage Engineering and Insulation Technology
- EV Charging Technologies

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## Paper Submission & Publication

Contributed papers on original and unpublished research work are invited. Full paper is to be submitted in IEEE conference template. Papers submitted to the conference should be written in English with the paper length of 3-6 printed pages. Plagiarism must not exceed 15%. Submit only electronic (PDF) version of the article through Google form using the following link: <https://forms.gle/8WXNFHDxd94FzyhF6>. Accepted Papers presented at the conference will be published in Conference Proceedings. NCIESA will present Best Paper Awards for each track during the conference.

National Institute of Technology Kurukshetra is an Institution of National importance presently running B.Tech., M.Tech., MBA, MCA and Ph.D. programmes in all major areas of engineering, technology, sciences, management, and humanities. The Institute has recorded remarkable strides in teaching, learning, research, innovation, entrepreneurship, and outreach activities. NIT Kurukshetra is one of the top technical education institutions consistently ranked within top 100 engineering institutes for last several years as per National Institute Ranking Framework (NIRF), Govt. of India. For more details, visit at <https://www.nitkr.ac.in>



## Kurukshetra

The campus, rich in flora and fauna is located in the holy city of Kurukshetra, land of the historical battle of 'Mahabharata' and the great message of Bhagwad Gita. The campus is situated on the western bank of Brahm Sarover. A historic city, Kurukshetra has a rich heritage of culture, intellect and arts. It stands today as one of the leading hubs of education, the premier centres for advanced study and research in the northern India.