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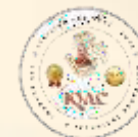
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(Affiliated to VTU Belagavi and Approved by AICTE New Delhi)
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International Conference on Intelligent Computing and Communication Systems (ICCS-2025)

18th, 19th & 20th September 2025

Organized by
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In association with
IIT Guwahati

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For more information email at: **iccs2025@jssateb.ac.in**
Website: **https://iccs2025.jssateb.ac.in/**

About JSS Mahavidyapeetha

The Jagadguru Veerasimhaasana Peetha (a holy shrine) was established in the 11th Century A.D. at Sutturu by Adi Jagadguru Sri Shivarathreeshwara Shivayogi Mahaswamiji. Sutturu is a village in Nanjangud taluk, Mysuru District in Karnataka, India. It is about 28 km from Mysuru city, in the south east direction. Jagadguru Sri Shivarathreeshwara Mahavidyapeetha (JSSMVP) established in 1954 in Mysuru has been making remarkable contributions in religious, social, educational and economic spheres in the state, nation and outside India as well. It is striving for social development by responding to the community needs. It strongly believes that, unless the problems of the socially backward communities and the poor are taken care, there will not be social development. With this objective, JSSMVP has initiated several programmes, while at the same time living up to its principle of "work is worship" and is engaged in raising public awareness on issues of social concern. Currently, there are 300+ institutions under JSSMVP and about 100,000+ lakh students are studying in various courses.

About JSS Academy of Technical Education

Institute Vision

"To be among the finest Institutions providing Engineering and Management Education empowered with Research, Innovation and Entrepreneurship."

Institute Mission

- Strive towards Excellence in teaching - learning process and nurture personality development.
- Encourage Research, Innovation and Leadership.
- Train to uphold highest ethical standards in all activities.

JSS Academy of Technical Education (JSSATE), established in 1997 in Bengaluru, is under the umbrella of JSS Mahavidyapeetha, Mysuru. Located on 21.17 acres of lush green campus, JSSATE is affiliated to Visvesvaraya Technological University (VTU), Belagavi. The institute has state-of-the-art infrastructure, advanced laboratories, qualified & dedicated faculty, and has initiated number of multi-disciplinary and multi-institutional R&D programs.

The institute is focusing on delivering quality education and fostering innovation with a strong emphasis on ethical practices and multidisciplinary skills. The eight UG, four PG programs equip students with leadership abilities and technical expertise, preparing them for successful careers in core companies, the IT sector, and for higher education within and out of the country. Supported by excellent infrastructure, experienced faculty, and industry collaborations, the departments encourage students to undertake challenging projects, publish their research, and excel in competitive global environment.

About IIT Guwahati

Institute Vision

"To be recognized globally for excellence in education, research and innovation, and nurture future leaders, to serve the society at large"

Institute Mission

- Provide education, research and advancement of knowledge
- Prepare the students for successful professional careers, leadership roles and be globally competent
- Motivate graduates to play vital roles in achieving excellence in pursuit for developmental activities and serve the society
- Meet the technological needs of the region and the country
- Support innovation, entrepreneurship and be a catalyst of development inclusive of all stake holders
- Making a difference in the lives of every person we interact with, to inspire and create ethical value-based transformation

Indian Institute of Technology Guwahati (IIT Guwahati), established in 1994, offers various undergraduate, postgraduate, and doctoral programs across multiple disciplines. Known for its advanced research facilities, IIT Guwahati ranks among the top global universities under 50 years of age and is consistently recognized in international and national rankings for its research and sustainability efforts.

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Potential authors may submit their original and unpublished research work for consideration. Paper submission would be through MCT. All submissions to the conference should be written in English with a maximum paper length of 6 printed pages including figures and should strictly follow the IEEE proceedings. Submitted papers will undergo a peer review process. The proceedings of the conference will be published in IEEE proceedings. All accepted and presented papers will be submitted for the possible inclusion in IEEE XPLORE digital library and it will be indexed in Scopus.

Conference Topics

Researchers are encouraged to submit their original contributions in both theoretical and applications on subject areas including, but not limited to:

Track 1:
- Machine Learning
- Deep Learning
- Generative AI
- Decision Support Systems
- Information Retrieval
- Fuzzy Logic Systems
- Genetic Algorithms
- Natural Language Processing
- Image & Video Processing
- Signal Processing
- Augmented reality

Track 2:
- Resource Management & Energy-Efficiency
- Artificial Intelligence for Autonomous Cloud/Edge/Quantum/IoT Computing
- Distributed, Learning & LLM in Cloud environment
- Big Data architecture, algorithms and applications
- Security, Trust, Privacy, Policies and Blockchains
- Data mining, analytics and management in IoT
- Algorithms & edge computing

Track 3:
- Hardware for AI & ML
- Communication & Signal.
- Analog & Mixed Signal and, RF Circuits
- Antennas and wave Propagation
- VLSI for Automotive Circuits and Systems
- Test, Verification and Reliability
- Low power Digital Systems
- Advances in CAD for VLSI
- Latest trends in device design and modelling
- Hardware and Systems Security
- Wireless Systems, 5G and beyond
- Power & Energy Management
- FPGA Layout Design, Open FPGA
- Internet of Things (IoT) and Industrial IoT
- Quantum Computing and Communications
- Photonics and Optoelectronics
- Cyber-Physical Systems (CPS)
- Renewable Energy and Power Electronics
- Nanoelectronics and Nanotechnology
- Autonomous Systems and Robotics
- Biomedical Electronics Technologies
- Biomedical Wearable Technologies
- Satellite Communication
- Remote Sensing

Track 4:
- Autonomous Robots
- Machine Vision
- Robot Operating System (ROS)
- Collaborative Robots (Cobots)
- Robot Perception
- Manipulators
- Human-Robot Interaction
- PID Controllers
- Robust Control
- Optimal Control
- Model Predictive Control (MPC)
- Control Algorithms
- Process Control Instruments
- Industrial Sensors
- Sensor Fusion
- Industrial Automation
- HMI (Human-Machine Interface)
- Process Automation
- Robotics in Automation
- Automated Manufacturing
- Smart Sensors
- IoT (Internet of Things) in Automation
- Automated Quality Control
- Factory Automation

Track 5:
- Technology for Social Good
- Computing for SDGs
- Tech Policy and Governance
- Digital Transformation in Industry
- Technology for Accessibility and Inclusion
- Human-Centered AI
- Cultural and Ethical Impacts of Emerging Technologies
- Technology for Disaster Management:
- Data-Driven Public Policy
- Citizen Science and Crowdsourcing

Important Dates and Payment Mode

Full Paper Submission:	27/05/2025
Notification of Paper Acceptance :	26/06/2025
Camera Ready Paper Submissions & Registration:	08/07/2025

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