



K.S. INSTITUTE OF TECHNOLOGY

Accredited by NBA (ECE, CSE) & NAAC with A+
#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109



INTERNATIONAL
CONFERENCE
ON

RECENT INNOVATIONS IN ENGINEERING SCIENCE AND TECHNOLOGY (ICRIET)



9TH & 10TH OF MAY 2025

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About Kammavari Sangham

The Kammavari Sangham, a multi-activity non-profit oriented voluntary service organization, was established in the year 1952 with the sole objective of providing charitable service to community and society. With a firm belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousands, the Sangham went about establishing educational institutions, starting with **K.S. Polytechnic** in 1992. Enthused with this success of its foray into technical education, the Sangham moved forward by starting the **K.S. Institute of Technology (KSIT)**, its Engineering College in the year 1999. In the years that followed, KSIT quickly earned an outstanding reputation for academic excellence. The Sangham's collective group of institutions, known as **Kammavari Sangham Group of Institutions (KSGI)**, embodies its commitment to comprehensive education. The commitment to fostering education continued with the inception of **K.S. School of Engineering and Management (KSSEM)** in 2010, further solidifying the Sangham's dedication to providing advanced technical and management education. Additionally, the **K.S. School of Architecture (KSSA)** was established in 2015, offering specialized education in architectural studies. To cater to pre-university and degree students, the Sangham founded **K.S. Pre-University College** in 2022 and **K.S. Degree College** in 2024, which has been instrumental in preparing students for higher education and future careers. To promote research culture among students and faculty fraternity Sangham has established **K.S. Research and Innovation Foundation (KSRIF)** in the year 2023.

All of these institutions have established themselves as centers of learning and have contributed significantly to the community by offering scholarships and free hostel accommodations to deserving students, further underscoring the **Sangham's unwavering commitment** to education and social upliftment.

About K S Institute of Technology

K. S. Institute of Technology (KSIT):

Excellence in Education in the Heart of Bengaluru

Nestled in Bengaluru, India's vibrant "Silicon Valley," K.S. Institute of Technology (KSIT) has been a pillar of educational excellence since its establishment in 1999. The city, renowned for its dynamic technology sector, cosmopolitan culture, and pleasant climate, provides an inspiring backdrop for innovation and academic pursuits. Bengaluru's thriving tech ecosystem and diverse cultural heritage create the perfect environment for students to learn, grow, and excel.

Founded under the prestigious Kammavari Sangham Group of Institutions, KSIT embodies a legacy of philanthropy and commitment to societal progress. With a focus on holistic development, the institute combines rigorous academics with a wide array of opportunities for co-curricular and extracurricular activities, fostering creativity, leadership, and teamwork.

KSIT boasts state-of-the-art sports facilities and actively promotes physical well-being and a spirit of healthy competition through inter-collegiate events. Its vibrant clubs and societies cater to diverse interests, ensuring students experience comprehensive personal and professional growth beyond the classroom.

Accredited by the National Assessment and Accreditation Council (NAAC) with an A+ grade for five years, KSIT is recognized for its unwavering commitment to academic and institutional excellence. Furthermore, the institute's core departments, Electronics and Communication Engineering (ECE) and Computer Science and Engineering (CSE), are accredited by the National Board of Accreditation (NBA), underscoring its adherence to global educational standards.

Research and innovation are integral to KSIT's ethos. Faculty members are actively supported in their scholarly pursuits, ensuring students benefit from a continuously evolving knowledge base that reflects the latest advancements in technology and science.

Guided by the mission to empower students with knowledge, nurture their talents, and inspire purposeful leadership, KSIT is shaping the innovators and leaders of tomorrow. With the motto "Explore, Innovate, Excel," KSIT offers a harmonious blend of academic rigor, extracurricular vibrancy, and a supportive community, making it a preferred destination for education in Bengaluru.

KSIT stands as a beacon of excellence, perfectly complementing Bengaluru's reputation as a global hub for technology, research, and innovation.

About ICRIET – 2025

Welcome to ICRIET-2025: A Confluence of Innovation and Excellence

The International Conference on Recent Innovations in Engineering Sciences & Technology (ICRIET-2025), hosted by K.S. Institute of Technology (KSIT) in association with the K.S. Research & Innovation Foundation (KSRIIF), is a prestigious platform for sharing cutting-edge research and fostering global collaboration.

Scheduled to take place in the vibrant city of Bengaluru, renowned as India's "Silicon Valley," ICRIET-2025 aims to bring together a diverse and dynamic community of participants, including leading academicians, industry professionals, researchers, postgraduate fellows, scholars, and students from around the world.

ICRIET-2025 serves as a forum to present innovative ideas, groundbreaking research, and practical insights across various disciplines of engineering, technology, and science. The conference is designed to promote interdisciplinary discussions and encourage collaboration, ensuring that participants leave with valuable knowledge and connections.

Key Highlights

- **Global Expertise:** Esteemed international speakers will deliver keynote addresses and technical sessions, sharing insights into emerging technologies, cutting-edge research, and product development opportunities.
- **Publication Opportunities:** All peer-reviewed, selected, and presented papers will be submitted for potential inclusion in reputed Scopus-Indexed journals, ensuring global visibility for the research.
- **Collaborative Engagement:** The conference provides a unique opportunity for participants to network with global experts, industry leaders, and fellow researchers, fostering collaborations that extend beyond the event.
- **Knowledge Exchange:** Attendees will gain exposure to the latest advancements and trends, inspiring innovative solutions to real-world challenges.

Why Attend ICRIET-2025?

ICRIET-2025 is not just a conference—it is a celebration of innovation and a commitment to advancing knowledge in engineering sciences and technology. Whether you are an experienced professional, or an aspiring researcher, or a curious student; this conference offers a wealth of opportunities to grow, share, and contribute to shaping the future of technology.

We warmly invite you to join us at ICRIET-2025 and be part of a transformative experience that bridges ideas and innovations across borders. Together, let us explore new horizons in engineering and technology.

We look forward to welcoming you to ICRIET-2025 at KS Institute of Technology!

What Awaits You?

Here is what ICRIET has to offer



Leading
Academicians



Illustrious
Researchers



Industry
Professionals



Postgraduate
Fellows



Research
Scholars



Innovative
Ideas



Practical
Experiences



Journal
Publication

Conference Tracks

Authors are invited to submit their original research work in the following areas (but not limited to)

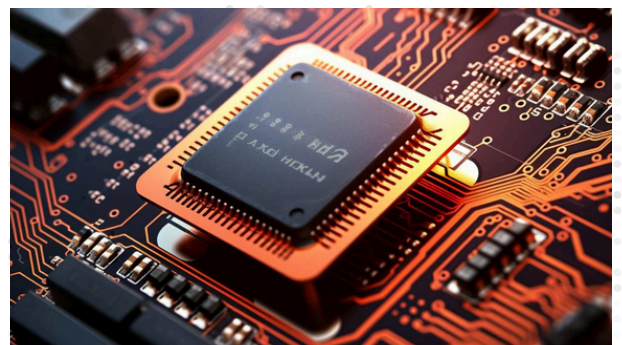
Track 1 (CSE): Next-Generation Computing

- Advances in NLP and Pattern Detection
- AR and VR Applications
- Artificial Intelligence & Automation
- Biometric Technologies and Forensic Science
- Cloud Computing and Services
- Computer Vision and its Applications
- Cybersecurity and Cryptography
- Data Science and Data Mining
- Exploring Machine Learning and Deep Learning techniques
- Intelligent Sensing
- Multimedia Information Processing
- Review of Innovations in Computer Science and their Applications
- Sentiment Analysis
- Wireless Sensor Networks and it's Applications



Track 2 (ECE): Innovation in VLSI, Embedded Systems and Communication

- Advanced Antennas for Newgen Communication Systems
- Advanced Wireless Communication Technologies for 5G, 6G, and Free Space Communications
- Advances in Low-Power & Nano-Technology for ASIC/FPGA
- Application of DIGITAL TWIN AND METAVERSE in communication system
- Applications of IoT and Big Data in Industry Automation & Processing
- Applications of Machine learning in Network Security and Hardware Privacy Solutions in Wireless & Optical Communication
- Deep Learning techniques used in Audio and Biomedical Signal Processing
- Energy-Efficient Automotive Embedded Systems: Design, Testing, and Validation
- Innovations in Sensor and Sensing systems in Ad Hoc Networks
- Microwaves for Advanced Communication Systems
- Mixed-Signal Design in VLSI
- Pattern Recognition in Computational Imaging



Conference Tracks

Authors are invited to submit their original research work in the following areas (but not limited to)

Track 3 (Mech): Breakthroughs & Progress

- Advances in Additive Manufacturing & 3D Printing
- Advance Materials for Functional applications (Composites, FGMs, Smart materials, Nanomaterials)
- Advances in Robotics for Bio-Medical Applications
- Analytical & Mathematical Modeling of thermal systems
- Artificial Intelligence in Design Optimization
- Autonomous Driving System
- Advanced Dynamic Finite Element Analysis & Simulations
- Transforming Manufacturing through Industrial Automation
- Industrial Waste Management
- Latest developments in ICE, Battery and Hybrid-Electric Vehicle Technologies
- Advances in Noise Vibrations and Harshness (NVH)
- Renewable & Sustainable Energy Technologies
- Super Alloys for Aerospace Application
- Sustainable & Eco-Friendly Manufacturing Practices
- Unmanned Aerial Vehicles



Track 4 (Applied Science) : Pioneering Innovations

- Advanced Nanomaterials
- Electrochemistry
- Computational Chemistry
- Sustainable materials and Green Chemistry
- Condensed Matter Physics and Materials Science
- Material Characterization Techniques
- Renewable Energy and Sustainable Materials
- Quantum Computing and its Applications
- Fluid Dynamics
- Graph Theory
- Optimization and Operations Research
- Differential Equations
- Numerical Analysis



Call For Papers

Prospective authors are encouraged to submit quality and original research papers for presentation at the Conference. Authors are requested to submit their manuscripts in .doc format not exceeding 6 pages in A4 size through online submission at Microsoft CMT – on or before 9th March 2025.

Scan the QR code to download:

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File 2: Paper Template (Sample paper)

File 3: Copyright form

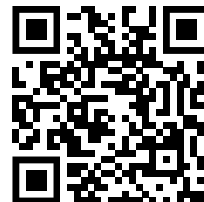
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Important Dates

Mark these dates on your calendar

Last Date for Manuscripts Submission	9th March 2025
Notification of Acceptance	9th April 2025
Last Date To Submit Camera-Ready Manuscript	21st April 2025
Last Date for Registration	21st April 2025
Conference Dates	9th & 10th May 2025

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Contact Us

Dr. Nagaprasad K S

+91 9945 343 463

nagaprasadks@ksit.edu.in

Prof. Anilkumar A

+91 8197 975 168

anilkumara@ksit.edu.in

For any Queries Related to conference, Reach us at : icriet2025@ksit.edu.in

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