

B. N. M. Institute of Technology

An Autonomous Institution under VTU.
Banashankari 2nd Stage, Bengaluru 560 070. INDIA





Conference Brochure

2nd IEEE International Conference

on

Intelligent and Innovative Technologies in Computing, Electrical and Electronics

Hybrid Mode 24-25 January 2024

Organizing Departments:

- Electronics and Communication Engineering
- Electrical and Electronics Engineering





About BNMIT

BNM Institute of Technology was established in the year 2001. It has achieved academic laurels in a short time and is one of the top preferred institutes in technical education in Karnataka. BNMIT has been granted Autonomous Status since June 2021 by UGC and VTU. BNMIT, a lush green campus is located at Banashankari, Bengaluru, a quiet and well-known locality with easy access to all essential facilities. BNMIT offers engineering courses in Electronics and Communication Engineering, Electrical and Electronics Engineering, Computer Science and Engineering, Information Science and Engineering, Mechanical Engineering, and Artificial Intelligence

and Machine Learning (AIML). The institute also offers post graduate programs in VLSI Design and Embedded systems, Computer Science & Engineering, and Master's in Business Administration. The institute is accredited by NAAC with 'A' Grade and all the eligible UG programmes are accredited by NBA, New Delhi. BNMIT has received NIRF innovation rank in 151-300 band. Department of Science & Technology has funded Rs. 2.87 Crores towards New Gen Innovation and Entrepreneurship Development Centre (IEDC). BNMIT has some more feathers on its cap; it's ranked (26-30) by ARIIA, Diamond Rating by QS I-Gauge, 24th Rank by TIME Survey, 34th Rank by Outlook and 36th Rank by Data Quest.

About the Conference

The first IEEE International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (ICIITCEE 2023) was organized by BNM Institute of Technology, Bengaluru, India on 27 and 28 January 2023. The conference received overwhelming response across the world from researchers, academicians and industry. Totally 222 papers were accepted, presented, and published in IEEE Xplore. This year, 2nd ICIITCEE 2024 will be held on 24 and 25 January 2024. This conference will feature a comprehensive technical program including several special sessions and workshops. The goal of ICIITCEE 2024 is to provide an outstanding forum for academicians, researchers, practitioners, policymakers, and students to exchange ideas, techniques and tools, raise awareness, and share experiences related to all practical and theoretical aspects of intelligence and innovations in engineering.

ICITCEE 2024 focuses on issues and solutions involving Intelligent and Innovative Technologies in Computing, Electrical and Electronics. Developments in the field of Computing, Electrical and Electronics are very complex and advance rapidly as changes occur on day-to-day basis. It is very difficult to make it available to all stakeholders (researchers, academicians, students, industrialists and society). Hence, the objectives of the conference are:

- To provide a platform for stakeholders to meet and share ideas, views and new findings in the field of contemporary Computing, Electrical and Electronics.
- To strengthen the relationship with industries and academic institutions of Karnataka and Bengaluru and, with the rest of the world.
- To provide a space for students and researchers to meet, discuss, and learn with experts in the related field.
- To bridge the gap between the industry and academics.
- To promote a high level of interaction among stakeholders in theoretical, experimental, and applied concepts in the field of Computing, Electrical and Electronics.



Important dates:

Submission Deadline: 15 October 2023

Acceptance Notification: 25 December 2023

Final Paper & Author Registration Closes: 5 January 2024

Conference: 24-25 January 2024



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2nd IEEE International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (ICIITCEE 2024) will take place at , BNM Institute of Technology, Bengaluru, India, on 24 & 25 January 2024. All accepted and presented papers are eligible for submission to the IEEE Xplore Digital Library.

IEEE Conference Record: #59897 IEEE ISBN: 979-8-3503-0641-5 IEEE Part No: CFP24DA7-ART

The topics of the conference include, but are not limited to:

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Computer Engineering

- Intelligent Computing
- Database Management Systems
- · Software Engineering
- Systems Software
- · Data Communication and Networking
- Internet of Things
- Management Information System
- Artificial Intelligence
- · Bio Inspired Computing
- Bioinformatics
- Computer Vision
- Expert Systems
- Image Processing
- Information Retrieval and Fusion
- · Big Data
- Data Engineering
- Data Mining
- Data Warehousing
- Compiler Design
- Computer System and Modeling operating System
- · Parallel and Distributed Computing

Electrical and Electronics

- Advanced Control Strategies in Electric Vehicle
- Smart grid, Micro grid and demand response
- Adv. metering instrumentation and comm. system
- New advances in energy storage technologies like battery, Ultra Capacitors, Super Magnetic Energy Storage Systems
- · Real time distribution simulation
- Renewable Energy Sources
- Advanced Material for Photo Voltaic Cells
- Distribution loss estimation techniques and simulation tools with case studies
- Grid integration of renewable energy system
 - Power quality and mitigation techniques
- FACTS, HVDC, custom power devices

Electronics and Communication

- Signal Processing
- VLSI Design
- Antenna Engineering
- Photonic/Opto Electronic Structures / Devices
- Nanophotonics
- Consumer Electronics
- Smart Electronics Systems
- Low Power VLSI Circuits & Mixed Mode VLSI
- VLSI Verification and Testing
- Robotics and Automation
- · Internet of Things
- Next Generation Networks
- Optical and Photonic Networks
- Spread Spectrum Communication
- · Sensors & Networks
- Embedded Systems
- Communication Systems
- Quantum Computing
- VLSI & VHDL Design & applications
- Vehicular Communication Techniques

Papers Submission:

Papers for presentations should conform to the IEEE format and specifications. All submissions must be in English only. Authors are invited to submit full paper (Maximum 6 pages, double-column US letter size) as PDF using the IEEE templates. Extra pages beyond this would require additional page length charges.

The IEEE paper template can be downloaded from the link given below.

https://www.ieee.org/conferences/publishing/templates.html

Submission Link:

https://cmt3.research.microsoft.com/ICIITCEE2024/Submission/Index

Call for Special Sessions

2nd IEEE ICIITCEE 2024 will be hosting a series of special sessions. Special sessions feature topics related to the Computer, Electrical and Electronics Engineering on the latest research related to the area of interest of the proposer of the special session. Each organized session should have a minimum of 5 (FIVE) papers that will be subject to the regular review cycle by the session organizer. The session organizer will have full authority in soliciting and accepting papers for the session. The proposal should be submitted by September 25, 2023 to the General Chair by email (<u>iitcee.bnmit@gmail.com</u>) in the prescribed form available at the website: http://iciitcee.in/Specialsessions.html

Call for Tutorials/Workshop Proposals

In addition to exciting technical sessions, special sessions, industry panels and exhibitions, 2nd IEEE ICIITCEE 2024 will feature a series of half and full-day workshops/tutorials and invites the submission of proposals. The aim of the conference workshops/tutorials is to emphasize emerging topics not specifically covered in the main sessions. Workshops/Tutorials should highlight current topics related to technical and business issues relevant to the conference, and should include a mix of

regular papers, invited presentations and panels that encourage the participation of attendees in active discussion. For more details, visit www.iciitcee.in

Registration fees:

registration rees.		
Category	From India	From Other Countries
Author(s)	INR 8500	USD 350
Author(s) (IEEE Members)	INR 6800	USD 280
Invited Presentation	INR 6500	USD 250
Student Author(s)	INR 5000	USD 200
Student Author(s) (IEEE Members)	INR 4000	USD 160
Conference Attendee/Listener	INR 2500	USD 100
Additional Paper Fee	INR 5000	USD 300

For Authors/Attendees:

All accepted papers should have at least one author registered. Additional paper requires additional registration. Only presented papers will be eligible for publication.

Contact:

Technical and Registration Enquiries: General Chair ICIITCEE - 2024 E-mail: iitcee.bnmit@gmail.com