



Vidyayāmruthamashnuthe

B. N. M. Institute of Technology

An Autonomous Institution under VTU.

Banashankari 2nd Stage, Bengaluru 560 070. INDIA



CRC Press
Taylor & Francis Group
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International Conference on Computing and Intelligent Information Systems



Conference Brochure

Hybrid Mode

19-20 April 2024

Organized & Hosted by

Department of Information
Science & Engineering

Department of Computer
Science & Engineering

Department of AI & ML



Bhageerathi Bai Narayana Rao Maanay
Educational Institutions
1972-2022

About BNMIT



B N M Institute of Technology was established in the year 2001. It has achieved academic laurels 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 rank in 201-250 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 (150-300) by NIRF INNOVATION -2023, Diamond Rating by QS I-Gauge, 24th Rank by TIMES Survey, 32nd Rank by Outlook and 36th Rank by Data Quest.

About the Conference

International Conference on Computing and Intelligent Information Systems ICCIIS – 2024 is organized and hosted by BNM Institute of Technology, Bengaluru, India on 19th and 20th April 2024. The conference will feature a comprehensive technical program including several special sessions and workshops. The goal of ICCIIS 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 intelligent and innovations in engineering.

ICCIIS – 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:

- The conference provides a platform for the Researchers, Industry Professionals, Academicians and Students to explore and publish their innovative solutions for real time problems.
- Create a forum for facilitating the exchange of practical experiences in all aspects of Computer Electronics and Engineering in addition to seeking solutions to the various challenges faced by Practicing Engineers, Technologists, and Scientists.
- The conference provides an international forum where Researchers, Industry Professionals, Academicians and Students across the globe can present and exchange their research innovative ideas and build network for further research collaboration.
- The conference seeks submission of novel research work from Practicing Engineers, Technologists, Scientists from R & D Institutions, Research Scholars, Faculty members and Students on all theoretical and practical aspects of engineering to address new challenges, share solutions at the interface of technology, information, and discuss future research directions.
- The rolling flagship conference will feature high-quality research paper presentation and exhibition where top industries would be exhibiting their innovative products of high impact technology.

About the Departments

Department of Information Science & Engineering

The Department of Information science & Engineering was established in the year 2001 with an intake of 60. The department has qualified and dedicated faculty members to provide quality education to students. The department is accredited by NBA for the academic year 2018-19 to 2024-25. The department has a well-established R & D Centre recognized by VTU, Belagavi, and faculty are actively involved in the research activities, publishing their work in various Journals and Conferences in thrust areas like, Network Security, Internet of Things, Computer Vision, Machine Learning, Artificial Intelligence, Image Processing and Deep Learning etc. The department has an ongoing research project funded by VGST and organized four online FDPs on thrust areas funded by AICTE Training and Learning Academy (ATAL). The department has state of art infrastructure to support research and develop students into professionals. Students are trained with multi-dimensional skill sets for their holistic growth. The department regularly organizes skill development programs, workshops, technical talks and industrial visits to keep the students abreast with technology.

Department of Computer Science & Engineering

The Department of Computer Science & Engineering started in 2001 with an intake of 60 students and the present intake is 180. The Department is renowned for imparting quality education with well-qualified and dedicated faculty members, who are experts in various domains of Computer Science & Engineering and strive for an exceptional career growth for the students. The Department offers undergraduate and postgraduate programmes in Computer Science & Engineering. A well-equipped Research & Development (R&D) Center, affiliated to VTU, has been set up to cater to the needs of the research scholars, as they conduct cutting-edge research towards doctoral degrees. The Teaching-learning process put in place by the Department is well defined to help students explore the trending technologies via Skill Development Programmes organised by the industry-institute Interaction Cell. Students are also encouraged to improve their performances in the University examinations through Performance Enhancement Classes. The Innovative Project Labs (IPL) of the R&D Center encourages and equips the faculty and students to uncover innovative ideas, which are also funded through the Innovation & Entrepreneurship Development Cell (IEDC) to ensure prototyping to validate the ideas.

Department of Artificial Intelligence & Machine Learning (AIML)

The Department of Artificial Intelligence & Machine Learning (AIML) is approved by AICTE-VTU from the academic year 2020-21. We have started our exciting journey in the year 2020 where the department offers an undergraduate B.E. program with an intake of 120 students. The Department boasts of well qualified teaching faculty with rich research, teaching and industrial experience and is committed to impart rigorous training to students to generate knowledge through the state-of-the-art concepts and technologies in AIML, and transform the Department as a leader in imparting AIML education and research. It is heartening to find that our students look forward to contributing to solving the technological challenges of society with active participation, perseverance, and hard work. Skill & knowledge relevant to real-world problems is inculcated to produce dynamic, socially conscious, and sensitive human beings.

Important dates:

- **Submission Deadline: 30th December 2023**
- **Acceptance Notification: 31st January 2024**
- **Full length paper submission and Author registration closes: 20th February 2024**

Website: <http://icciis.bnmit.in/>

Submission Link:

<https://cmt3.research.microsoft.com/User/Login?ReturnUrl=%2FICCIIS2024%2FSubmission%2FIndex>

All the accepted and registered papers will be published in Scopus Indexed conference proceedings published by CRC Press, Taylor & Francis Group.

Chief Patron

Sri. Narayan Rao R. Maanay,
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Prof. Abhilasha P, Assistant Professor, BNM Institute of Technology, Bengaluru, India.

High quality, state-of-the-art, original research papers are invited from researchers, industry professionals, academicians and students. The full length paper should include title, author names, affiliation along with the corresponding authors' email and template for the paper may be downloaded from the conference website using the link provided on the website: <https://icciis.bnmit.in/>

Email the full-length paper to icciis2024@bnmit.in

Track-A: Artificial Intelligence, Information System and Robotic Process Automation

- ♦ Management Information System
- ♦ Artificial Intelligence and Machine Learning
- ♦ Fuzzy Logic and Neural Networks
- ♦ Cognitive and Edge Computing
- ♦ Intelligent Networks
- ♦ Natural Language Processing
- ♦ Space Technology and ICT
- ♦ Geographical Information System
- ♦ Optimization Techniques
- ♦ VLSI for Machine Learning
- ♦ Cognitive Radio Networks
- ♦ AI in Healthcare, Energy and Life Sciences
- ♦ Green Computing
- ♦ Robotic Process Automation

Track-B : Signal, Image and Video Processing

- ♦ Image, Speech and Video Processing
- ♦ Multimedia Processing
- ♦ Biomedical Engineering
- ♦ DSP Algorithms and Architectures
- ♦ VLSI for Signal Processing
- ♦ Computer Vision and Applications
- ♦ Multirate and Statistical Signal Processing
- ♦ Satellite Image Compression & Authentication
- ♦ Synthetic Aperture Radar Imaging

Registration fees:

Category	From India	From Other Countries
Author(s)	INR 8500	USD 350
Invited Presentation	INR 7000	USD 300
Student Author(s)	INR 6500	USD 250
Conference Attendee/Listener	INR 3000	USD 100
Additional Paper Fee	INR 5000	USD 300

For Authors/Attendees:

All the accepted papers should be registered by at least one author using the link provided on the website. Additional papers require separate registration. Papers which are presented during the conference will be eligible for publication.

Technical Enquiries:

General Chair ICCIIS2024

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Track-C : Big Data Analytics, Cloud Computing and Cyber Security

- ♦ Data Science and Big Data Analytics
- ♦ Big Data Security and Privacy Issues
- ♦ Pattern Recognition
- ♦ Cryptography and Network Security
- ♦ Data Visualization and Interactive Data Exploration
- ♦ Cyber Security and Blockchain Technologies

Track-D : IoT, Advanced Computing and Intelligent Networks

- ♦ IoT in practice
- ♦ IoT Modelling and Model Checking
- ♦ IoT Security
- ♦ Human Centric IoT
- ♦ Metaverse - Virtual World
- ♦ Bioinformatics
- ♦ Software Engineering Management
- ♦ Computer Architecture and Systems
- ♦ High Performance Computing
- ♦ Applied Areas of Industry 5.0
- ♦ Web Intelligence
- ♦ Social Networking and Social Media Security
- ♦ Reconfigurable Computing
- ♦ Futuristic Computing including Quantum and DNA Computing
- ♦ Computing for Sustainable Development

Registration fee has to be paid online via NEFT/RTGS only

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A/C Name: BNMIT ISE

A/C Number: 1147101032831

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Branch: Sevakshethra, BSK II Stage

Registration and General Enquiries

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