iC-ETITE'24

SILVER JUBILEE TOWER

Second International Conference on

EMERGING TRENDS IN INFORMATION TECHNOLOGY AND ENGINEERING

Organized by

School of Computer Science Engineering and Information Systems
(formerly School of Information Technology and Engineering)

22 & 23 February 2024
Vellore Institute of Technology
Vellore, India.

Technically co-sponsored by

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About ic-ETITE

The Second International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE'24) will take place at Vellore Institute of Technology, Vellore, India on 22nd & 23rd February 2024. The purpose of this conference is to enhance the research in Information Technology, Computer Engineering, Communication Engineering, Electronics Engineering and to afford an international platform for researchers, academicians, engineers, industrialists and students around the world to share their research findings with the global experts in the field of Science and Technology. The primary goal of the conference is to help the delegates to launch their research or business relations and to associate for future collaborations in their career path. Original, unpublished papers highlighting specific research domains from all subject perspectives are invited from delegates worldwide. In this concern, the conference aims to deliver, coordinate and publish research and resources to enrich the impact and growth of education allied.

The Theme of the Conference

ic-ETITE'24 expresses the importance of upgrading the research in Information Technology and Engineering. It motivates to provide a worldwide platform to researchers far and widespread by exploring their innovations in the field of science and technology. The mission is to promote and improve the research and development related to Information Technology and Engineering. The essential objective of the conference is to assist the researchers in discovering the global linkage for future joint efforts in their academic outlook.

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Highlights of previous ic-ETITE'20:

The previous International Conference on "Emerging Trends in Information Technology and Engineering" was organized on 24th & 25th February 2020.

ic-ETITE'20 was technically Co-sponsored by IEEE Computer Society, Madras Section, IEEE Communications Society, Madras Section and supported by ACM-Chennai Chapter.

All the presented papers were published in the IEEE Xplore by the IEEE.
(https://ieeexplore.ieee.org/xpl/conhome/9070069/proceeding)
IEEE Xplore ISBN : 979-8-3503-2820-2
USB ISBN : 979-8-3503-2819-6

ic-ETITE'20 had 21 technical and 17 keynote sessions.

A hackathon titled, "Breakthrough on Locked Technology" BOLT was conducted with 500+ participants and gave Rs. 1,00, 000 as prize money.

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About VIT

Vellore Institute of Technology was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1984 as Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. It persistently seeks and adopts innovative methods to improve the quality of higher education consistently. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The diversity of faculty members and their unrelenting focus on teaching and research enable to realise the high requirements of modern day teaching-learning process. The Institution has established and sustains a strong support structure for the successful progression of students during their student days. The institution is committed towards its vision of "Transforming life through excellence in education and research" and adopts professional approach in governance.

Ranking & Accreditation

VIT has emerged as one of the best institutes in India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation make VIT unique.

- Engineering and Technology subject areas of VIT are the 240th best in the World and the 9th best in India, eight subjects of VIT are within the top 500 in the world (as per QS World University Rankings by Subject 2023)
- Computer Science & Information Systems subject of VIT is ranked among the top 201-250 Universities in the World and the 7th best institution in India (as per QS World University Rankings by Subject 2023)
- The 8th best University, the 11th best research institution and the 11th best engineering institution in India (NIRF Ranking, Govt. of India 2023)
- The 173rd best Institution in Asia (QS - Asia University Rankings 2023)
- Ranked among the top 601-700 Universities of the world and one among the top 3 Institutions in India (Shanghai ARWU Ranking 2022)
- NAAC Accreditation with A++ grade (3.66 out of 4)
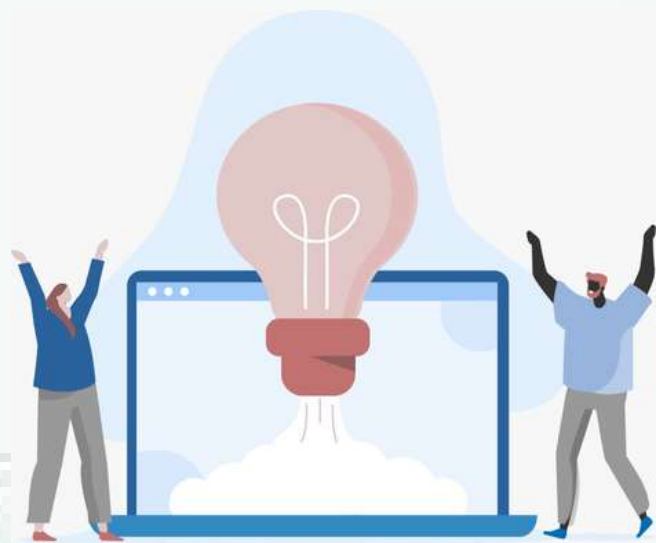
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About the School of Computer Science Engineering and Information Systems

The School of Computer Science Engineering and Information Systems (SCORE) offers B.Tech(IT), M.Tech (Software Engineering), MCA, BCA, B.Sc (Computer Science), M.Tech(by Research) and Ph.D programs in the domain of Information Technology and Engineering. Its focus is on holistic learning to help students to make significant contributions to the Information Technology industry and to serve society at large. The school has more than 5,900 students and 188 committed faculty members, apart from many visiting professors, working professionals from the industry and R&D organizations. The School has State-of-the-art infrastructure for teaching-learning, research and consultancy. The School has strong linkages with leading IT companies and research organizations. It has many industry-supported Laboratories and Centres of Excellence. It has a track record in organizing many Seminars, Workshops, Symposia and Conferences in the emerging and technical areas of Information Technology and Engineering.

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Manuscript Submission

- All submitted papers will go through a plagiarism check process.
- The manuscript should not contain embedded links, scanned images, header and footer.
- Paper submission link –
  https://cmt3.research.microsoft.com/icETITE2024
- Email submission will not be accepted.
- All queries related to the conference shall be addressed to *icetiteconference@vit.ac.in*
- All presented papers in the conference will be submitted to IEEE for possible publication in the IEEE Xplore® digital library.
- Extended version of selected papers will be recommended for publication in Scopus indexed journals with impact factor
- **Original Contributions** are solicited on topics covered under broad areas not restricted to.

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Information Technology

- Information Systems
- Information Retrieval
- Cloud Computing
- Cloud Security
- Knowledge Management
- Molecular Information Systems
- Data Management & Visualization
- Cyber-Physical Systems
- Digital Society
- Big Data Analytics
- Data Mining and Sentiment Analysis
- Social Network Analytics
- Data Sources and Integration
- Distributed, Pervasive, and Embedded Systems Security
- Deep Learning
- E-learning

- Multimedia and Internet Security
- Image And Video Retrieval
- Web-based Application and Service Security
- Cyber Security
- Network security and Information Security
- Digital Forensics
- Biometric Security
- Quantum Cryptography
- Malware Analysis and detection
- Secure IoT
- Web Ontology
- Web Intelligence
- Search Engines
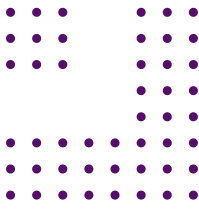- Innovative Information Security

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Communication Engineering

- Wireless & Sensor Systems
- Social Networking
- Communication Signal processing
- Wireless Communications
- Mobile Communication
- Communication Theory and Techniques
- Ad-Hoc Networks
- Innovative Networking and Communication Techniques
- Data Communication
- TV And Sound Broadcasting
- Communication IC Design
- Communication Protocols
- Optical Communications
- Telecommunication Networks
- Radio And Satellite Communications
- Radar, Sonar and Navigation Systems
- Space Technologies
- Zigbee Technology

- Human Area Network
- Next Generation Protocols
- Software Defined Network
- GPRS
- HSPA
- Quantum Communication
- Fibre Optic Communication
- Modelling and Simulation
- Sensor & Micro-Machines
- Wireless Video
- Intelligent Control Systems
- Internetworking of WLAN & Cellular Networks
- 4G & 5G
- Antenna & EMC/EMII
- Aerospace Applications
- Speech Processing

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Computer Engineering

- Computer Architecture
- Computing for Development
- Cognitive Analysis
- Fuzzy Systems
- Granular Computing
- Modern Operating Systems
- Rough Sets
- Storage Techniques
- User Interfaces
- Next Generation Computing Technologies
- Virtualization
- Pervasive Computing
- Quantum Computing
- Human Computer Interaction & Accessible Technology
- Machine Learning
- Computation Intelligence
- Natural Language Processing
- Programming Languages & Software Engineering
- Systems & Networking
- Theory of Computation
- Ubiquitous Computing
- Artificial Intelligence
- Augmented & Virtual Reality
- Computer Graphics, Vision, Animation, & Game Science

Electronics Engineering

- Fabrication
- Robotics
- Digital Image/Signal Processing
- VLSI/Embedded systems
- Microprocessor Based Technologies
- Applied Electromagnetics and RF Circuits
- Control Systems
- MEMS and Microsystems
- Optics and Photonics
- Plasma Science and Engineering
- Power and Energy
- Quantum Science and Technology
- Solid-State Devices and Nanotechnology
- Antenna and Wave Propagation
- Intelligent Systems Architectures And Applications
- Microelectronics
- Nano-electronics
- Power Electronics

- Signal and System Theory
- Solar Technology
- Network Theory
- Modulation Techniques
- Source and Channel Coding
- Switching Theory and Techniques
- Microwave Theory and Techniques
- Wave Propagation
- Measurement and Instrumentation
- Circuit Design
- Simulation and Cad
- Microwaves, Antennas and Radio Propagation
- Optoelectronics
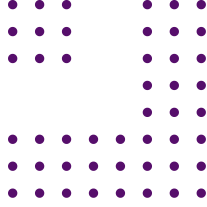- Electromagnetic Compatibility
- Digital Governance

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Full Paper Submission : 05 November 2023
Notification of Acceptance : 04 December 2023
Camera Ready Paper Submission with Registration : 06 January 2024
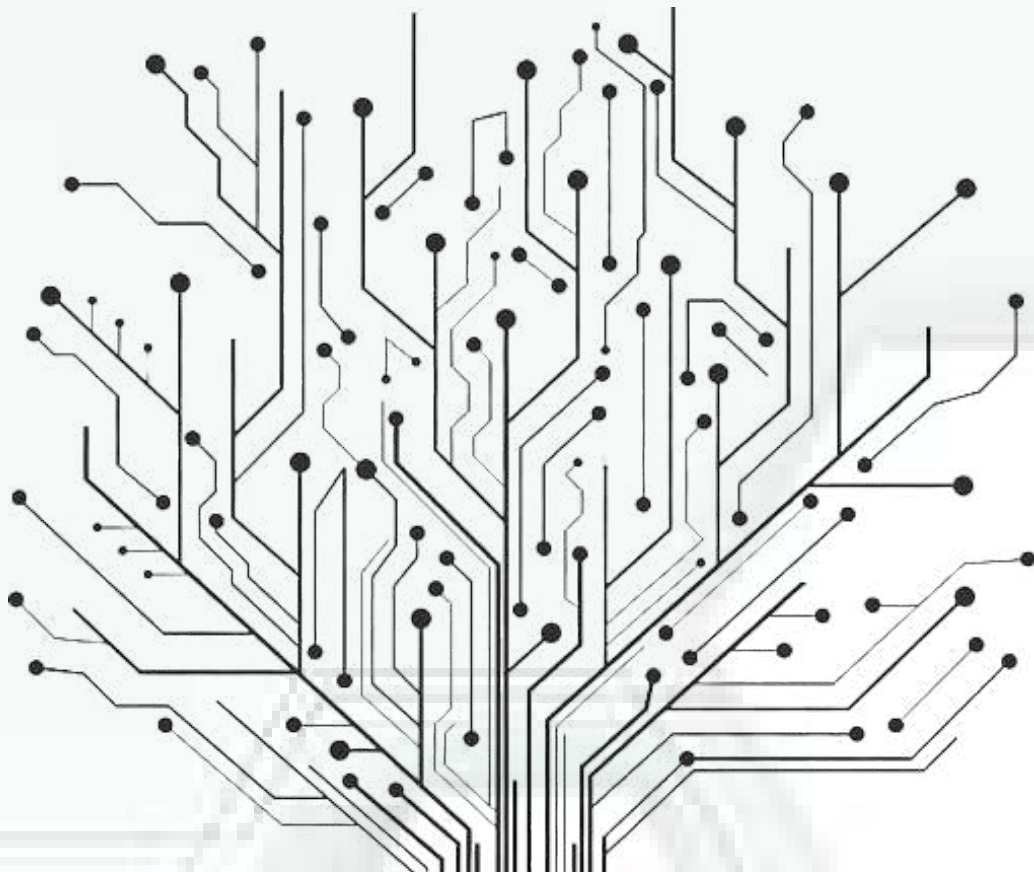Conference Dates : 22 & 23 February 2024

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Faculty / Academicians (IEEE Members)	Rs. 8000	Rs. 7000	225$	175$
Research Scholars, UG and PG Students	Rs. 7000	Rs. 6000	200$	150$
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VIT (internal)	Rs. 5000	Rs. 4000	--	--
Co-Authors / Participants (non-authors)	Rs. 5000	Rs. 4000	100$	50$

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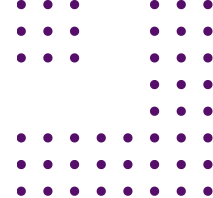Dr. Bhuvaneswari. M. S, Assistant Professor, SCORE, VIT, Vellore

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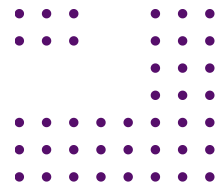
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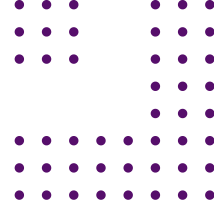
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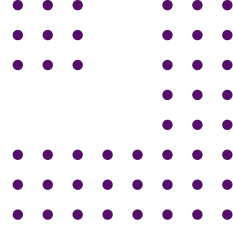
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