



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



ICESIC - 2024

**IEEE International Conference on
Electronic Systems and Intelligent
Computing**

(ICESIC-2024)

<https://veltech.edu.in/icesic.veltech.edu.in>

**IEEE CONFERENCE
RECORD: 61777**

Organized By

**Department of Computer Science &
Engineering**

School of Computing

**Vel Tech Rangarajan Dr. Sagunthala R&D Institute
of Science and Technology
(Deemed to be University)**

**400 feet Outer Ring Road, Avadi, Chennai – 600 062
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November

22nd and 23rd, 2024

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About Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology

Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology (Vel Tech) is one of the pioneering Deemed Universities of INDIA. It was established in 1997. It offers a wide range of programs, including undergraduate, post-graduate, and doctoral programs. Vel Tech is the first member from India to adopt Conceive-Design-Implement-Operate (CDIO). CDIO is a worldwide framework which aims to produce the next generation of engineers. The CDIO based academic process undoubtedly generates knowledgeable, up-skilled graduates with a professional attitude who are industry ready.



Global Alliances of Vel Tech has working international relations with more than 390 institutions across 30 countries and has entered into a Memorandum of Understanding (MoU) with 120 institutions for various academic and research exchange activities. Students, faculty members, and researchers get a collaborative platform for academic projects, explore leading best practices, and research work with international universities. Vel Tech believes that there are no boundaries in the pursuit of knowledge. Through these strategic alliances with international universities, the standard of education at Vel Tech will be on par with the best in the world. Institution is accredited by National Assessment and Accreditation Council (NAAC) with the grade of A++ and holds a National Institute Ranking Framework (NIRF) ranking 11 to 50 in Innovation category and 86 in Engineering Category. Computer Science and Engineering (CSE) is one of the significant specializations in the School of Computing in Vel Tech. Vel Tech has created an ecosystem for innovations, including an Incubation Center and other initiatives for the creation and transfer of knowledge. The whole initiative supports early-stage startups by providing incubation space, mentoring, networking, & financial loans (Convertible debt) up to Rs.50.00 Lakhs. Vel Tech Technology Business Incubator (TBI) has created state of the art facilities like NVIDIA supported AI, ML, DL & digital services labs to support IT innovations. Vel Tech TBI is recognized as a Centre of Excellence under the NIDHI Scheme to expand the facility to a global level.

About Department of Computer Science and Engineering

Computer Science & Engineering (CSE) is one of the significant specializations in the School of Computing. CSE enhances students' ability to extend and strengthen their ability to develop and sustain the transformative software systems of tomorrow. The department activities are determined to create Future Leaders and Trend Setters for the next generation.



This Department offers a Comprehensive Undergraduate and Postgraduate programs curriculum that prepares students to be leaders in emerging technologies. Well qualified and experienced faculty form the backbone of the department. Experts from various industries are invited to deliver Classroom Sessions, Industry Based Hands-on Activities, Guest Lectures and Seminars related to the curriculum and software industry trending topics. Currently, B.Tech. Computer Science & Engineering programs are accredited by NBA under the Tier-I (Washington Accord) category.

Research & consultancy

The Research Division of the Computer Science & Engineering Department covers various aspects of Computer Vision, Software Process & Engineering, Network Systems & Services, and Computing Technologies. The key players for this conference are the research groups working in the major research fields of Artificial Intelligence, Big Data Analytics, IoT, Machine & Deep Learning, Image Processing, Augmented Reality, and Robotics. The Networking Systems and Services group grafts on research areas such as Wireless Sensor Networks, Adhoc Networks, VANET and Security.



The Computing Technologies group concentrates on Data Mining, Analysis and Prediction, Human Computer Interface, Virtual Reality, Brain Computing, Distributed Computing, Social Media Networks, Mobile and Pervasive Computing.

Industrial connection

The Computer Science and Engineering program interacts and liaises with well-reputed industries to facilitate funded projects, research and consultancy in the chosen areas. The Program Corporate Advisory Board includes top executives from leading software industries such as IBM, CISCO, ZOHO, TCS, WIPRO, INFOSYS, ACCENTURE, ASCENDAS, VIRTUSA, CTS, CAPGEMINI etc. An industrial partnership with Clockworks Interview was created as an MOU.

ABOUT THE CONFERENCE

This IEEE Conference on Electronic systems and Intelligent computing is organized by the Vel Tech Rangarajan Dr. Sagunthala R&D Institute of science & Technology which is sponsored by All India Council for Technical Education (AICTE), New Delhi. IEEE approved the conference with the number 61777 and one of the Technical Sponsor is IEEE Madras section, Chennai, India.

SCOPE OF THE CONFERENCE

This conference is to provide an international forum for industry professionals and researchers to deliberate and state their research findings, discuss the latest advancements and explore the future directions in the emerging areas of Engineering and Technology.

The conference also brings together both novice and experienced scientists and developers to meet new colleagues, collect new ideas, and establish new cooperation between research groups, and provides a platform for researchers from academia and industry to present their original work and exchange ideas, information, techniques, and applications in the fields of Software Engineering, networking, Data Science, Big Data, Cloud Computing, Artificial Intelligence & Machine learning, Data Analytics, IoT, Electronic systems and other blooming areas of research.

BENEFITS

- Accepted Papers will be submitted to IEEE Xplore for their consideration to be published (Scopus Indexed).
- Awards will be given for the best research papers.



CALL FOR PAPERS

Original Contributions are solicited on topics covered under broad areas such as (but not limited to):

- Artificial intelligence
- Expert Systems
- Multimedia Applications
- Data science
- Big data Analytics
- Machine Learning
- Deep Learning
- Intelligent Systems
- Cyber Security
- Biomedical
- Cyber Physical systems
- Scientific Computing
- Wireless Sensor Networks
- Internet of Things
- Cloud Computing
- Grid Computing
- Digital Image Processing
- Sustainable communication and Networking
- Software Engineering & CASE
- Power System Stability and Switchgear and Protection
- Power Quality Issues and Solutions
- Smart Grid
- Diagnosis and sensing systems
- Pattern recognition
- VLSI/Embedded Systems
- Nano Technology and MEMS
- Nano electronics/Devices
- Photonic/Opto-Electronic Structures/Devices
- Digital Communication and Telecommunication
- Microprocessor based Technologies
- DNA and Mobile Computing
- High throughput Computing
- Data Structures & Algorithms
- Automated Software Engineering
- Bioinformatics and Scientific Computing
- Computer Architecture and Embedded Systems
- Computer Graphics & Virtual Reality
- Computer Networks & Security& Cryptography
- Data Compression, Data Encryption, Data Mining
- Distributed System

IMPORTANT DATES

Paper submission : September 30th, 2024

Acceptance Notification : October 15th, 2024

Registration and camera ready : October 30th, 2024

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For Conference Website



<https://cmt3.research.microsoft.com/ICESIC2024/Submission/Index>

For Paper Submission

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