



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



**IEEE
COMPUTER
SOCIETY**

2024 Region 10 IEEE Computer Society

Summer School

on

“AI and IoT applications in Smart Environments”

23rd – 27th September 2024



Organized by

**School of Computer Science Engineering
& Information Systems**

Vellore Institute of Technology, Vellore

VIT - A place to learn; A chance to grow

About VIT

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by its Founder and Chancellor Dr. G. Viswanathan. It strives to provide quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education in all fields of science and technology. VIT is the 9th best institution of India and the 212th best institution in the world in Engineering and Technology in 2024, holding 136th position in computer science and information systems as per the QS World University Rankings by Subject.

About School

The School of Computer Science Engineering and Information Systems (SCORE) offers undergraduate, postgraduate and research programmes in the fields of

- ❖ Computer Science & Engineering
- ❖ Information Technology
- ❖ Software Engineering and
- ❖ Domain Specific Applications.

The School focuses on holistic education to help the students to make significant contributions to industry and to serve society at large.

The faculty members are highly motivated to do ground-breaking research and excel in teaching and learning processes. They provide opportunities for the students to apply the acquired knowledge in solving real-world problems and gaining undergraduate research experience. The placement record of the school is always remarkable.

The school has strong linkages with leading IT companies and research organizations. It has industry-supported laboratories. Nine professors of the school are among the Top 2% Scientists in the world according to the study conducted by the Stanford University, USA in 2023.

Major areas of research at the School includes the following

- Artificial Intelligence (AI)
- Internet of Things (IoT)
- Data Science and Data Mining
- Machine Learning
- Image Processing
- Software Engineering
- Cloud Computing
- Cyber Security

About R10 IEEE Computer Society Summer School

This is the second R10 Computer Society Summer School being organized in India. The primary objective of this programme is to expose the students of Computer Science and Engineering to the emerging applications of Artificial Intelligence (AI) and Internet of Things (IoT), for enhancing their career prospects. The pre-final and final year students from Asia Pacific Region are invited to participate in the summer school programme.

Topics

- Internet of Things for Connected World
- Smart and Secure Environment using IoT
- IoT Applications for Sustainable Environments
- Blockchain for Cyber-Physical Systems
- IoT and Wireless Sensor Networks Applications
- A Case Study of IoT-enabled Applications
- Privacy in Smart City Applications
- Security for Wireless Sensor Networks

Resource Persons – IEEE CS Distinguished Speakers

- Mr. Mohamed Rawidean Mohd Kassim, Regional Coordinator for Region 10 IEEE Computer Society.
- Dr. Salil Kanhere, Professor, University of New South Wales, Australia
- Dr. Dharm Singh, Professor & UNESCO Chair-holder, Namibia University of Science and Technology, Namibia
- Dr. Amlan Chakrabarti, Professor, University of Calcutta, India.

Registration Fee:

IEEE / IEEE CS Student: Rs. 2000 + 18% GST = Rs. 2360

Non-IEEE Student: Rs. 2500 + 18% GST = Rs. 2950

VIT Student: Rs. 500 + 18% GST = Rs. 590

Foreign students: USD 40

Registration fee covers breakfast, lunch, dinner and accommodation. Travel and other expenses are to be borne by the participants.

Registration link:

<https://tinyurl.com/ieecssummerschoolvit2024>

- ❖ Limited to only 25 Participants.
- ❖ Last date for registration: 15th September 2024.
- ❖ Participants notification by 16th September, 2024.
- ❖ Online fee payment on or before 19th September, 2024.

Advisory committee

Chief Patron

Dr. G. Viswanathan Chancellor

Patrons

Mr. Sankar Viswanathan Vice President

Dr. Sekar Viswanathan Vice President

Dr. G. V. Selvam Vice President

Co-Patrons

Dr. Kanchana Bhaaskaran Vice Chancellor

Dr. Partha Sharathi Mallick Pro-Vice Chancellor

Dr. Jayabarathi T Registrar

Steering Chair

Dr. Sumathy, Dean, SCORE

Steering Co-Chairs

Dr. Dhinesh Babu L D, Associate Dean, SCORE

Dr. Neelu Khare, HoD, Software & Systems Engg.

Dr. Prabhavathy P, HoD, Information Technology

Dr. Iyapparaja M, HoD, Smart Computing

Dr. Vijayan E, HoD, Computer Applications

Programme Committee

Mr. H R Mohan, R10 CS Portfolio Officer

Dr. K. Subramanian, R10 CS, India Coordinator

Dr. Mini Ulanat, R10 CS, India Deputy Coordinator

Dr. Sakthivel P, IEEE CS Madras Chapter Chair

Dr. Koteeswaran S, IEEE CS Madras Chapter Treasurer

Dr. Arunachalam V, IEEE VIT Student Branch Counsellor

Dr. Boominathan, IEEE CS VIT Student Chapter Advisor

Mr. Siddhant M, IEEE CS VIT Student Chapter Chair

Organizing Committee

Dr. Jagadeesh G, SCORE, VIT

Dr. Srinivas Koppu, SCORE, VIT

Programme Coordinators

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