

## WHO CAN ATTEND

UG/PG Students , Faculty, Research Scholars

Industrial Experts

## RESOURCE PERSONS

**Dr. Vivek Maik**, Principal Scientist, IIT Madras.

**Dr. E. Kavitha**, Professor and Head,

Sir M Visvesvaraya Institute of Technology, Bangalore.

**Dr. S. Sasikala**, Associate Professor, Department of ECE,

Kumaraguru College of Technology (KCT), Coimbatore.

**Dr. S. Thangam**, Associate Professor, Department of CSE,

Amrita Vishwa Vidyapeetham, Bengaluru.

**Dr. S. Brindha**, Vice Chair - IEEE SPS Madras Chapter,

Professor-ECE, Sri Sai Ram College of Engineering, Chennai.

**Dr. Benedict Christopher Paul**, Assistant Professor,

Department of Biotechnology, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai.

**Ms. Balanivashini**, Business Development Manager-

Technical, Prashan Medical Technologies, Coimbatore

**Dr. E. Senthil Kumar**, Consultant Psychologist,

GVK EMRI, Green Health Services, Chennai.

## REGISTRATION FEE

### Professional Members

IEEE Members : Rs. 217

Non IEEE Members : Rs. 271

### Students/ Research Scholars

IEEE Student Members : Rs. 109

Non IEEE Student Members : Rs. 163

*Note : Travel and Accommodation allowance will be provided as per IEEE SPS Norms*

## Account Details

Name : Vel Tech Rangarajan Dr. Sagunthala  
R&D Institute of Science and  
Technology Trust

Account Number : 75330400000013

Bank : Bank of Baroda

Branch : Vel Tech Engineering College

IFSC : BARBOVJVELT (Fifth character is zero)

## REGISTRATION LINK:

<https://forms.gle/L9fvBu3WGwusAMJs9>



## DATES TO REMEMBER

Last date to register online - 03.02.2026

Intimation of Selection - 04.02.2026

## WITH THE BLESSINGS OF

**Col. Prof. Vel Dr. R. Rangarajan**

Founder President & Chancellor

**Dr. Sagunthala Rangarajan**

Foundress President

## PATRONS

**Prof. Dr. Rajat Gupta**

Vice Chancellor

**Prof. Dr. E. Kannan**

Registrar

## ADVISORS

**Prof. Dr. Raju Shanmugam**,

Dean Academics

**Prof. Dr. P. Suresh**,

Dean - International Relations & HRDC

**Prof. Dr. P. Chandrakumar**,

Dean R&D, Industry & Incubation

**Prof. Dr. P. Sakthivel**, Chairman, IEEE MAS

**Prof. Dr. N. Venkateswaran**, Chairman, IEEE SPS - MAS

**Prof. Dr. S. Brindha**, Vice Chair, IEEE SPS - MAS

**Prof. Dr. R. S. Valarmathi**, Dean – SoEC, IEEE-SBC, Vel Tech

## CHAIR(S)

**Dr. S. Jana**, Professor & Head - ECE

**Dr. M. Anto Bennet**, Professor – ECE

## CO-CHAIR(S):

**Dr. P. Kalpana Devi**, Professor - ECE

**Dr. R. Rajkumar**, Associate Professor – ECE

**Dr. J. Josephine Pon Gloria**, Assistant Professor – ECE

## CONTACT DETAILS

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**Vel Tech**  
Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology  
University  
Avadi, Chennai  
(Reg. No. 5 of UGC Act, 1956)



Recognised as  
**CATEGORY-1**  
DEEMED TO BE UNIVERSITY  
by the  
UGC  
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School of Electrical and Communication  
Department of Electronics and Communication  
Engineering

in association with

**IEEE Signal Processing Society, Madras Chapter**  
**IEEE SPS Student Branch Chapter, Vel Tech**

Organize

**IEEE SPS Sponsored Forum on**  
**"AI-Driven Innovations in Healthcare:**  
**Transforming Diagnosis, Treatment, and Delivery"**

5 - 6 February, 2026



[www.veltech.edu.in](http://www.veltech.edu.in)  
1800 212 7669

No.42, Avadi - Vel Tech Road,  
Vel Nagar, Avadi,  
Chennai - 600062.

## ABOUT THE INSTITUTION

Vel Tech offers UG, PG and Ph.D. programs in both engineering and management. The institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. It is a private deemed to-be university, established in 2008. The university has been recognized by UGC as the "Category 1 Deemed to be University" and approved by AICTE, New Delhi as well. Vel Tech is the first member from India to be part of CDIO, an innovative educational framework for producing the next generation of engineers. Vel Tech has been recognized as the best engineering institution and ranked A++ in NAAC and 87<sup>th</sup> position in NIRF India Rankings 2024. The Technology Business Incubator (TBI) at Vel Tech is recognized as a Centre of Excellence under the NIDHI PRAYAS scheme by the Government of India. It is also the first institution in India to house the NVIDIA DGX-I AI Supercomputer and has established six Centres of Excellence to foster innovation, research, and entrepreneurship.

## ABOUT THE SCHOOL

The School of Electrical and Communication at Vel Tech imparts knowledge in electrical, electronics and communication engineering and related allied areas. Students actively engage in nationally reputed clubs such as the Robotics Club and the Small Device Programming Club, which inspire them to explore and develop their skills. Many of the faculty members hold doctorates from prestigious institutions in India and abroad. Students from the School participate in high-impact national and international projects, including collaborations on small satellite systems with industry partners. The School consistently delivers engineers of exceptional calibre, equipping graduates to assume prominent roles in both academia and industry.

## ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering (ECE) was established in 1997 and has grown into a vibrant center for academic excellence, research, and innovation. The department offers B.Tech. in Electronics and Communication Engineering, accredited by the National Board of Accreditation (NBA) under Tier-I, M.Tech. in Embedded Systems and Technologies, and Ph.D. programmes approved by AICTE. To align with technological advancements, the B.Tech. programme offers specializations in AI&ML, AI&DS, Cyber Security, IoT and Integrated Circuit Technology. The department comprises 118 faculty members, including 116 with doctorates, with over 102 recognized research supervisors actively engaged in teaching, research, and consultancy. With advanced laboratories and dedicated research centers, the department supports interdisciplinary work in Signal processing, Communication, VLSI, Embedded Systems, IoT and Networks. The department also maintains a strong placement record, with students placed in reputed industries such as BOSCH, IBM, WIPRO, TCS, L&T, Tech Mahindra, VA Tech Wabag Ltd., Microchip, and Zebrionics.

## VISION

To be a centre of academic excellence through quality education and cutting-edge research in the diversified fields of electronics and communication engineering to meet the global challenges and produce high quality professionals.

## MISSION

- To enrich the knowledge of graduate engineers for global requirements by promoting quality education through innovative pedagogical practices.
- To create an ambience of academic excellence by engaging in cutting-edge research and undertaking collaborative projects with academia and industry.
- To develop competence by inculcating human and moral values with leadership and professional skills.

## ABOUT THE FORUM

The 2025 Cycle 2 IEEE SPS Forum on "AI-Driven Innovations in Healthcare: Transforming Diagnosis, Treatment, and Delivery" is a premier academic-industry forum that brings together researchers, clinicians, engineers, and students to explore how Artificial Intelligence is reshaping modern healthcare systems. The forum aims to foster meaningful dialogue on cutting-edge AI technologies that enhance disease diagnosis, personalize treatment pathways, optimize healthcare delivery, and ensure ethical, trustworthy medical AI solutions. Through expert talks, interactive sessions, and panel discussions, participants will gain insights into real-world applications, translational research, and future opportunities at the intersection of AI, signal processing, and healthcare. This forum serves as a collaborative platform to bridge academia, healthcare institutions, and industry, encouraging innovation, interdisciplinary research, and responsible deployment of AI-enabled healthcare solutions.

## FUNDING SUPPORT

This forum is financially supported by the IEEE Signal Processing Society under the Member Driven Initiative (MDI) program, with approved funding, enabling the effective organization of high-quality technical sessions and knowledge dissemination activities.

## THEMES

- AI for Early Disease Diagnosis
- Personalized & Precision Medicine
- AI-Enabled Healthcare Delivery & Robotics
- Natural Language Processing in Clinical Data
- Ethical, Explainable, and Trustworthy AI in Healthcare

## PANEL DISCUSSION

- Translating AI Research into Scalable Healthcare Solutions