

Vel Tech High Tech

Dr. Rangarajan Dr. Sakunthala Engineering College

An Autonomous Institution

AAVISHKAAR – 2025

National Conference Themes

1. Artificial intelligence and Data Science

Natural Language Processing (NLP), Computer Vision, Machine learning and Deep Learning, Data Analytics, Predictive Analytics

2. Artificial intelligence and Machine learning

Generative AI in virtual reality; Deep Learning in Healthcare; Generative Adversarial Networks; Artificial Neural Networks; AI-Powered Chatbots for Social Good

3. Biotechnology

Animal Biotechnology, Medicinal Biotechnology, Plant Biotechnology, Computational Biology, Molecular Biology, Marine Biotechnology

4. Chemical Engineering

Bio-energy; Sustainable chemical process technologies; Modelling and simulation; Applied chemical engineering technology; Biochemical and Bio-processing technologies

5. Civil Engineering

Building materials, Environmental engineering, Green buildings, Composites and Construction, New Technologies in Structural Design and Construction, Exhibition of unique/ innovative/iconic structures in India, Underground Structures, Masonry Structure, Soil-Structure Interaction/ Machine Foundation, New Construction Technologies, AI and Machine Learning in Structural Engineering

6. Computer Science and Engineering

IOT, Big Data, Block Chain, Edge Computing, Natural Language Processing, Pattern Recognition, Android, cloud computing, web technologies.

7. Electronics and Communication Engineering

Signal processing - Bio signal and image processing; Deep learning; Communication - Wireless sensor networks, Antenna design , Ad-hoc networks; VLSI; Embedded Systems - IoT, sensors based automation systems

8. Information Technology

Generative AI, Datafication, Extended Reality, Edge Computing, Quantum Computing, Digital Twins, Metaverse, Internet of Behaviours, Predictive Analytics, Snowflake

9. Mechanical Engineering

Advanced Manufacturing; Robotics and Automation; Vibration; Materials Science and Engineering; 3D Printed Polymers; Renewable and Non-Renewable Energy Resources; Industry 4.0

10. Master of Business and administration

AI in Digital Marketing; HR Analytics & Digitalisation; Financial Risk Management; Supply Chain Management.