**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.