



## Faculty Development Program



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

### Event Outcome

**Title :** Building Sustainable and Cognitive Systems through Edge-AI Powered 6G Architectures

**Date :** 2025-08-18 - 2025-08-22

**Time :** 10:00 - 17:30

**Venue :** TT

- Enhanced Understanding of 6G and Edge-AI Integration
- Capacity Building for Interdisciplinary Research and Innovation
- Familiarity with Sustainable Engineering Practices in Future Networks
- Knowledge of Industry Trends and Research Directions in 6G
- Skill Development in AI-Driven Network Intelligence

	<p><b>Resource Person 1 - Details</b>  <b>Name :</b> Dr Sudharsun Parthasarathy  <b>Designation :</b> Assistant Professor, ECE  <b>University/ Company :</b> NIT Trichy, Trichy  <b>Address :</b> India, 620015.</p>
	<p><b>Resource Person 2 - Details</b>  <b>Name :</b> Dr R VENKATESWARI  <b>Designation :</b> Associate Professor, Department of Electronics and Communication Engineering  <b>University/ Company :</b> PSG College of Technology, Coimbatore  <b>Address :</b> India, 641004.</p>
	<p><b>Resource Person 3 - Details</b>  <b>Name :</b> DR V NAGARAJAN  <b>Designation :</b> Professor, Department of Electronics Engineering  <b>University/ Company :</b> NIT, Puducherry  <b>Address :</b> India, 605014.</p>
	<p><b>Resource Person 4 - Details</b>  <b>Name :</b> MR PRATAP SINGH  <b>Designation :</b> STAFF ENGINEER, SAMSUNG RESEARCH INSTITUTE  <b>University/ Company :</b> SAMSUNG RESEARCH INSTITUTE, BANGALORE  <b>Address :</b> India, 560037.</p>
	<p><b>Resource Person 5 - Details</b>  <b>Name :</b> DR HRISHIKESH VENKATARAMAN  <b>Designation :</b> PROFESSOR, Department of Electronics and Communication Engineering  <b>University/ Company :</b> Indian Institute of Information Technology, SRI CITY  <b>Address :</b> India, 600061.</p>
	<p><b>Resource Person 6 - Details</b>  <b>Name :</b> MR PRATIK KHURANA  <b>Designation :</b> IoT Systems Engineer, Infinipoint Technologies  <b>University/ Company :</b> Infinipoint Technologies, BANGALORE  <b>Address :</b> India, 560048.</p>
	<p><b>Resource Person 7 - Details</b>  <b>Name :</b> DR M D SELVARAJ  <b>Designation :</b> Professor, Department of Electronics and Communication Engineering  <b>University/ Company :</b> IIITDM, KANCHEEPURAM  <b>Address :</b> India, 600127.</p>
	<p><b>Resource Person 8 - Details</b>  <b>Name :</b> Veerapu Goutham  <b>Designation :</b> Assistant Professor Sr. Grade 1, School of Electronics Engineering  <b>University/ Company :</b> VIT, Vellore  <b>Address :</b> India, 632014.</p>



### **Resource Person 8 - Details**

**Name :** Veerapu Goutham

**Designation :** Assistant Professor Sr. Grade 1, School of Electronics Engineering

**University/ Company :** VIT, Vellore

**Address :** India, 632014.

### **Resource Person's Profile :**

#### **1. Profile of Dr Sudharsun Parthasarathy**

He is currently an Assistant Professor at NIT Trichy. He was previously at IIIT Allahabad and as a Senior Lead Engineer at Samsung Bangalore. For his PhD at IIT Madras, he was advised by Dr. Radha Krishna Ganti on thesis titled "Analysis of cellular networks in generalized fading".

#### **2. Profile of Dr R VENKATESWARI**

Dr. R. Venkateswari is an Associate Professor in the Department of ECE at PSG College of Technology. Her research focuses on wireless communications, IoT, machine learning, and signal processing. She has published numerous papers in reputed journals and actively contributes to projects in body area networks and intelligent communication systems.

#### **3. Profile of DR V NAGARAJAN**

Dr. V. Nagarajan is a professor at NIT Puducherry, specializing in computer science and information technology. He is recognized as an academic scholar, high-profile researcher, able administrator, and visionary leader in his field, according to IEEE Madras Section. He also has a strong presence in professional societies and academic committees.

#### **4. Profile of MR PRATAP SINGH**

Pratap Singh is a Staff Engineer at Samsung Research Institute, India, with over 24 years of experience in designing and leading telecom network management systems. He holds B.E. and M.Tech degrees from IIT Roorkee. His expertise spans distributed systems, Java, Linux, microservices, and DevOps, with multiple contributions to standards, patents, and international conferences.

#### **5. Profile of DR HRISHIKESH VENKATARAMAN**

Dr Hrishikesh Venkataraman is Professor, Dean Academics, and Dean Research and Development in the Department of Electronics and Communication Engineering at IIIT Sri City, Chittoor, Andhra Pradesh. He earned his PhD from Jacobs University Bremen, Germany. His research focuses on smart transportation V2V and V2X, cellular to WiFi offloading, small cell and CRAN architectures, and recommender systems.

#### **6. Profile of MR PRATIK KHURANA**

Pratik Khurana is a technology professional at Infinipoint Technologies, Bengaluru, with experience in embedded systems, IoT architecture, and wireless communication protocols. He is actively involved in the design and deployment of secure and scalable IoT solutions. His work focuses on real-time data acquisition, edge computing, and LPWAN integration for industrial and urban IoT applications.

#### **7. Profile of DR M D SELVARAJ**

Dr M D Selvaraj is a Professor in ECE at IIITDM Kancheepuram and Dean Design and Innovation. His research interests include wireless communication, NOMA, and spatial modulation. He has over 50 publications, secured over 1 crore in research funding, and serves on editorial boards and national TPCs. He is also a senior IEEE member and founder of the IEEE student branch at IIITDM.

#### **8. Profile of Veerapu Goutham**

Faculty in SENSE

This Faculty Development Program aims to explore the convergence of Edge AI and 6G architectures in building sustainable, intelligent communication systems. Participants will gain insights into advanced network paradigms, including intelligent edge computing, energy-efficient protocols, and AI-driven decision-making. The program emphasizes real-world applications in smart cities, healthcare, and Industry 4.0. Special focus will be given to sustainable engineering practices, cognitive networking, and the evolving research landscape shaping 6G.

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**Coordinator's: Prof. SRIHARIPRIYA K C 16383 - Associate Professor Grade 2 - SENSE  
Prof. CHRISTOPHER CLEMENT J 11844 - Professor Grade 1 - SENSE**