

About SENSE:

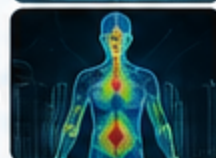
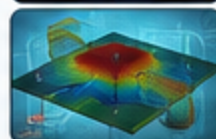
SENSE at VIT was established for imparting state-of-the-art knowledge in Electronics and Communication Engineering and allied areas. The school has set up laboratories with excellent infrastructure in the areas of Electronics, Communication, VLSI, Embedded, Sensors and Nanotechnology. Faculties are actively involved in R&D activities and are working on research projects funded by government organizations like DRDO, ISRO (RESPOND), and DST.

About the event:

The primary goal of this Value-Added Course was to provide students with fundamental knowledge of Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC) critical aspects in the design and operation of modern electronic systems. The course aimed to familiarize participants with the sources, effects, mitigation techniques, and international standards governing EMI/EMC compliance in industrial, automotive, aerospace, and communication systems.

Course Content:

- Fundamentals overview of Electromagnetic interference and Electromagnetic Compatibility
- Importance of Addressing EMC Issues Early
- Essential elements of an EMC problem
- EMI Mitigation Techniques
- Industrial importance of EMC/EMI
- Introduction to EMI/EMC 3D PCB Simulations
- 3D Simulation of PCB Antenna
- 3D Simulation of Electromagnetic exposure to human body (SAR)
- Step to be followed in Measurement of EMC / EMI



Eligibility: UG/PG Students and Research Scholar of VIT.

Mandatory for Certificate:

- Minimum 50% Marks in Assessment Test
- Minimum 75% attendance

Registration Fee:

Rs.200 + GST (For UG/PG Students)
Rs.250 + GST (For Research Scholars)

Payment Link: <https://events.vit.ac.in/>



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

Value-added Course on **Electromagnetic Interference and Compatibility (EMI/EMC): Basics and Standards (VAC2338)**

**10th Oct. 2026 to 01st Nov. 2026
(32 hours)**

Organized by

Department of Communication Engineering

&

Department of Micro and Nanoelectronics



**School of Electronics Engineering (SENSE)
Vellore Institute of Technology Vellore-632014**



Advisory Committee:



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Coordinators



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