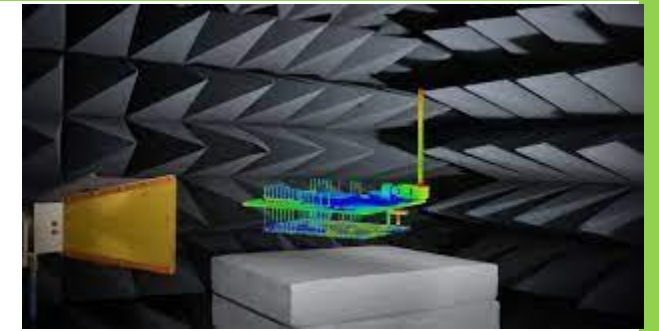




School of Electronics Engineering

Department of Communication Engineering

Value Added Course



Electromagnetic Interference and Compatibility (EMI/EMC) – Basics and Standards (VAC2338)

(9:00 AM - 5:00 PM)

Day 1 & 2 (06, 07/09/25): 8 Hours

- ♦ Fundamentals of Electromagnetic interference
- ♦ Overview of Electromagnetic Compatibility
- ♦ Importance of Addressing EMC Issues Early
- ♦ Examples of EMC Disasters

Day3 & 4 (13, 14 /09/25): 8 Hours

- ♦ Introduction to EMC / EMI
- ♦ Essential elements of an EMC problem
- ♦ Electromagnetic Coupling
- ♦ EMI Mitigation Techniques
- ♦ Grounding, Filtering, Shielding

Day 5 & 6 (20/09/25& 12/10/2025):8 Hours

- ♦ Overview of Industrial importance of EMC/EMI
- ♦ Introduction to EMI/EMC 3D PCB Simulations
- ♦ 3D Simulation of PCB Antenna

**Co-ordinators: Dr. M Karthikeyan, Dr. Naveen Mishra,
Dr N Rajesh**

Project Phase : 06/09/2025 - 02/11/2025

(9:00 AM -5:00 PM)

Day 7 & 8 ((01, 02/11/25): 7 Hours

- ♦ Discussion on Fabrications of the prototype
- ♦ EMC/EMI measurement Hands-on Session using the Anechoic Chamber
- ♦ 3D Simulation of Electromagnetic exposers to human body (SAR)
- ♦ Step/ Theory to be followed in Measurement of EMC / EMI

Mandatory for Certificate:

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

Eligibility: UG/ PG Students of VIT

Starting from
06 September, 2025 (Saturday)-

Interaction- OFFLINE

Registration fee: **Rs. 500/-** + GST

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



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