



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 training program aims to deliver a solid foundation in antenna principles, highlight recent advancements, and present research outcomes related to 5G implementations. The FDP will feature sessions dedicated to technologies, techniques, and applications, designed to promote the exchange of knowledge and ideas among experts. It will serve as an excellent platform for those embarking on research in RF and antenna design.

Course Content:

- Fundamentals of mm-Wave and Terahertz Frequencies
- Frequency Selective Surface
- MIMO Antennas
- Antenna Design towards 5G
- Dielectric Resonator Antenna (DRA)
- Reconfigurable Antennas
- HFSS & CST Microwave Studio-Hands on
- Adaptive beamforming and its applications in 5G and beyond

Eligibility: The training program is open to Research Scholars, UG/PG students and Industry Personals.

Registration Fee:

Rs.500 + 18% GST (students, scholars)
Rs 750 + 18% GST (Industry Persons)

Advisory Committee:

Dr. Jasmine Pemeena Priyadarisini
Professor and Dean,
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**5- days Faculty Development Program
(FDP)**

On

**Frontier Technologies in Antenna
Engineering: From Metamaterials to
Reconfigurable Systems**
(Online mode)

January 27-31, 2026

Organized by

Department of Communication Engineering
**School of Electronics Engineering
(SENSE)**

**Vellore Institute of Technology,
Vellore-632014**