



## Five day Faculty Development Program (FDP)

on

## Antenna Design for Next Generation Wireless Communications (Online mode)

4<sup>th</sup> – 8<sup>th</sup> December 2023

Organized by

**Department of Communication**

**Engineering**

**School of Electronics**

**Engineering (SENSE)**

**Vellore Institute of**

**Technology**

**Vellore-632014**

### Advisory Committee:

**Dr. Sivanantham S**

Professor and Dean,

School of Electronics Engineering (SENSE),

Vellore Institute of Technology, Vellore,  
India.

**Dr. Noor Mohammed V**

Professor & Head,

Department of Communication  
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School of Electronics Engineering (SENSE),  
Vellore Institute of Technology, Vellore,  
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### Coordinators

**Dr. Rajeshkumar V**

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**Eligibility:** The training program is open to  
Industry personnel, Engineering Faculties,  
Research Scholars and UG/PG students.

### Registration Fee :

Rs.500 + 18% GST (For Faculty),

Rs.750 + 18% GST (For Industry persons),

Rs.300 + 18% GST (For Students and

Research scholars).

### 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 objective of the training program is to provide strong antenna fundamentals, recent advancements and research outcomes pertaining to antenna design for next generation wireless communications. The FDP includes sessions focused on technologies, techniques and applications with intent to foster the exchange of knowledge and ideas between experts. It will be a good platform for those who started their research in the field of RF and Antenna design.

### Course Content:

- SIW Antenna
- Frequency Selective Surface
- Metamaterial Antenna
- MIMO Antennas
- Antenna Design towards 5G
- Dielectric Resonator Antenna (DRA)
- Reconfigurable Antennas
- Optically transparent Antennas
- CST Microwave Studio-Hands on
- Vehicular Antennas

### Resource Persons:

**Dr. Arokiaswami Alphones, NTU Singapore**

**Dr. Jaume Anguera, University Ramon Llull, Spain**

**Dr. N. C. Pradhan, Reykjavik University, Iceland**

**Dr. Gulam Nabi Alsath, CEG, Anna University**

**Dr. Ramprabhu, MIT Campus, Anna University**

**Dr. Arvind Kumar, NIT Warangal**

**Dr. Sreenath Reddy T, IITD&M, Kancheepuram**

**Dr. Naveen Mishra, VIT Vellore**

**Dr. Rajkishor Kumar, VIT Vellore**

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

## **School of Electronics Engineering (SENSE)**

5-Day Faculty Development Program (FDP) on “Antenna Design for Next Generation Wireless Communications”

### **Event Schedule**

Date	Session 10 AM – 12 Noon	Session 2 PM – 4 PM
04.12.23	<p style="text-align: center;"><b>Dr Gulam Nabi Alsath</b> CEG, Anna University Chennai <a href="#">Topic: Optically Transparent Antennas</a></p>	<p style="text-align: center;"><b>Dr. Jaume Anguera, IEEE Fellow</b> Universitat Ramon Llull Barcelona, Spain <a href="#">Topic: Antenna Booster Technology for IoT: Fundamentals to Applications</a></p>
05.12.23	<p style="text-align: center;"><b>Dr Rajkishor Kumar</b> Vellore Institute of Technology, Vellore <a href="#">Topic: Circularly Polarized Dielectric Resonator Antenna</a></p>	<p style="text-align: center;"><b>Dr Arokiaswami Alphones</b> Nanyang Technological University (NTU) Singapore <a href="#">Topic: 5G Antenna Beamforming Techniques</a></p>
06.12.23	<p style="text-align: center;"><b>Dr Arvind Kumar</b> National Institute of Technology Nagpur <a href="#">Topic: SIW based Filtering Antennas</a></p>	<p style="text-align: center;"><b>Dr Sreenath Reddy Thummaluru</b> IIITD&amp;M Kancheepuram <a href="#">Topic: Microwave Technologies for 5G/6G Applications</a></p>
07.12.23	<p style="text-align: center;"><b>Dr Ramprabhu</b> MIT Campus, Anna University <a href="#">Topic: Frequency Selective Surfaces and its Applications</a></p>	<p style="text-align: center;"><b>Dr Nrusinga Charan Pradhan</b> Postdoctoral Fellow Reykjavik University, Iceland <a href="#">Topic: Frequency Tunable SIW: Advancing Technology for Multiband Applications</a></p>
08.12.23	<p style="text-align: center;"><b>Dr Naveen Mishra</b> Vellore Institute of Technology, Vellore <a href="#">Topic: Metamaterial Based Antennas</a></p>	<p style="text-align: center;"><b>CST Microwave Studio -Hands ON session</b></p>

### **Coordinators**

Dr. Rajeshkumar V & Dr. Rajesh N