



# VIT-AP UNIVERSITY

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## School of Electronics Engineering (SENSE) 3<sup>rd</sup> ONE-WEEK INTERNATIONAL WORKSHOP ON RF & MICROWAVE COMPONENTS (ONLINE)

THEORY, SIMULATION, AND MEASUREMENT

Date : 17<sup>th</sup> May to 23<sup>rd</sup> May 2023 (Wednesday to Tuesday)



E-Certificate  
for participation



Registration link:

<https://vtop1.vitap.ac.in/RFMC/Conferenceinitial>

### About Our Workshop

This workshop is a selfless effort of qualified microwave domain researchers to help and encourage the research scholars, undergraduate, postgraduate and entrepreneurs to meet their research goals. The workshop concisely delivers the theoretical background of a specific research area, characterization methods, step-wise hands-on for performing the analysis and results generation using Ansys HFSS. After completing this workshop, the participants will be able to perform the various analysis required to characterize microwave components independently.

**Who can attend :** Faculty and Student (BTech, MTech)/PhD research scholars working in the area of RF and Microwave Engineering.

**Platform:** MS Teams

**Specific research areas to be covered:**

- ❖ Training of research tool: Ansys HFSS
- ❖ Metamaterial design and characterization
- ❖ Characteristics mode analysis
- ❖ Slotted antennas
- ❖ Reconfigurable antennas
- ❖ Substrate integrated waveguides
- ❖ MIMO antenna design and optimization
- ❖ Demonstration of prototype measurements

**Highlights:**

- The program is technically supported by ENTUPLE, ANSYS, and Anritsu
- The program is technically co-sponsored by VIT-AP IEEE SBC and VIT-AP MTTS Student Branch Chapter
- Detailed theoretical discussion on research topics and hands-on to generate research outcomes/results.
- **E-certificates** will be issued.

**Registration Fee:**

Country	Registration Fee(Including GST)	
India	300/- (IEEE Member)	500/- (Non- IEEE)
Others	\$10 (IEEE Member)	\$12 (Non- IEEE)

© REGISTRATION PAYMENT LINK:

<https://vtop1.vitap.ac.in/RFMC/Conferenceinitial>

**Last date of Registration- 15th May,2023**



# SCHOOL OF ELECTRONICS ENGINEERING, VIT-AP UNIVERSITY



**Prof. Siban Kaul,**  
IIT Delhi, India  
Topic: Suspended Substrate  
Microwave and Millimeter  
Wave IC Design



**Dr. Khairnar Vikas Vishnu**  
Assistant Professor  
Topic- Reconfigurable Antennas



**Prof. Debatosh Guha,**  
University of Calcutta, India  
Topic: Direct interaction Session on  
Microwave and Antenna



**Dr. Bappaditya Roy,**  
Associate Professor  
Topic: Evolution of Antenna Technology:  
Radio to Biomedical Applications.



**Prof. Chinmoy Saha,**  
IISST Thiruvananthapuram, India  
Topic: Microwave circuit and Systems.



**Dr. G Bharath Reddy,**  
Assistant professor  
Topic : Massive MIMO antenna design for 5G wireless  
communication and future aspects



**Dr. Juliano Mologni,**  
Lead Product Manager, ANSYS, US  
Topic: Advances in computational  
electromagnetics for Microwave and RF  
devices



**Dr. Chandu DS,**  
Assistant Professor  
Topic: SIW Antennas



**Dr. Satyadeep Das,**  
Tech Lead, VVDN Technologies, India  
Topic: Antenna Design 5G and Beyond



**Dr. Debanjali Sarkar,**  
Assistant Professor  
Topic: UWB Passive Components, EBG Structures,  
Machine Learning, Evolutionary Algorithms



**Dr. N. Venkata Rajasekhar,**  
Associate Professor  
Topic: Design of Metamaterial based Compact  
UWB Antennas



**Dr. Sambhudutta Nanda,**  
Assistant Professor  
Topic: Introduction to Microwave  
Device Simulation Tools



## Resource Person from KEYSIGHT INDIA

- More than 10 Sessions from Industry and Academicians that includes Basic antenna design, advanced antenna for 5G and beyond, special Interaction Session.

Industry Support by: **KEYSIGHT, ENTUPLE, ANSYS and ANRITSU , IEEE HYD, MTT-s**

### Coordinators:

**Dr. Sambhudutta Nanda**  
**Dr. N V Rajasekhar**  
**Dr. K Vikas Vishnu**  
**Dr. Chandu DS**  
**Dr. Bharath Reddy Gudibandi**  
**Dr. Bappaditya Roy**

### Organizing Members:

**Dr. Jayendra Kumar**  
**Dr Samineni Peddakrishna**  
**Dr. Debanjali Sarkar**  
**Dr. Jaiverdhan**

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