

SIES Graduate School of Technology
Department of Electronics and Telecommunication Engineering
Presents

3 days Hands on Training on

Antenna Design using IE3D

February 3rd and 17th of 2018 and March 3rd of 2018,

Timing :10.00 AM to 4.00 PM, Venue : Lab 316

Since the invention of the Microstrip Antenna four decades ago, the demand for its application has been increasing rapidly, especially within the last two decades. However, these applications have been in demand mostly by the Department of Defense. Because of their extremely thin profile (0.01 to 0.05 wavelength), printed Microstrip Antennas have found heavy applications in military aircraft, missiles, rockets, and satellites. The Microstrip Antenna, because of its small size, lightweight, low profile, and low manufacturing cost, is finding increasing applications in the commercial sector of the industry. This workshop aims at discussing briefly some of the antenna's technical design features and presents several important examples of the antenna's commercial applications, such as mobile satellite communications, direct broadcast satellite services, global positioning system, medical hyperthermia usage, etc.

Objectives

- Introduction to basic understanding and designing of the Patch Antenna.
- Simulation of the Patch Antenna using simulation software IE3D.
- To evolve, develop and improvise different types of patch antennas suitable for numerous applications like microwave communication, radar, mobile communication, RFID applications so on.

Course Contents

- Introduction to Antenna and IE3D software
- Design, simulation and optimization of Rectangular Patch Antenna using IE3D software.
- Design and simulation of Rectangular Patch Antenna using different feeding techniques.
- Designing different types of patch antennas suitable for various applications.

Speakers

Prof. Shishir Japtap
Prof. Vandana Sawant

Who Should Attend

TE and BE (EXTC) students - First come first serve (Seats available only for 20 students- 10 groups with 2 members each)

Registration Fees

Course Fees: FREE
(Cost of certificate will be applicable)

Contact for Registration

Prof. Vandana Sawant
Email ID : vandana.sawant@siesgst.ac.in

