



**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGG.
ACADEMIC YEAR 2017-18**

Date:12/01/18

ISTE & IETE Approved

National Workshop on

**“ Design and Analysis of Antennas and Microwave Passive Devices
using HFSS”**

3rd – 5th January, 2018

Date: 3rd – 5th January, 2018

Venue: Saraswati College of Engineering, Kharghar

No. of Participants :

Duration- 3rd – 5th January, 2018 from 9.30 am to 5.00 pm

Organized by: Electronics and telecommunication department

The 3 days' National workshop on “Design and Analysis of Antennas and Microwave Passive Devices using HFSS “was inaugurated in the seminar hall in the presence of Dr. Manjusha Deshmukh, Principal, Saraswati college of Engineering. The Speakers Prof. Amit Naik and Prof. Aniket Jangam were welcomed with a token of appreciation. The First day session was conducted by Prof. Amit Naik & Prof. Aniket Jangam, in which they have covered various fundamentals of antenna designing. In the later session of day 1, the installation steps and the basic tools used in HFSS Version 18.0 were explained by both the Speakers.

On Day 2 of the workshop, the Inset feed and Probe feed antenna designing was practiced on the software with some additional features in the existing software of HFSS

On Day 3 of the workshop, the designing continued for Microwave waveguides and Filters. Prof. Aniket explained the concept of waveguides and filters with a theory. later on hands-on was carried out on HFSS software. The Day 3 Session was ended by one to one discussion between the Participants and the Speakers of the workshop. The workshop came to an end by Certificates Distribution to the participants and Delivering vote of the thanks to the speakers and coordinators.



Training outline for 3 days workshop

Day	Time	Topic	Expert
Day1- 03/01/18	9.30-11.30 am	Session 1 Introduction to HFSS	Mr. Aniket Jangam
	11.30 am- 1.30 pm	Session 2 1. Design of Dipole Antenna 2. Tunning of Dipole Antenna to desired frequency using Optimetrics and Parametric	Mr. Aniket Jangam
	2.30-4.30 pm	Session 3 Assignment 1 Design of optemetric & parametric analysis of Dipole antenna	Mr. Aniket Jangam
Day 2- 04/01/18	9.30-11.30 am	Session 1 Design and Analysis of Inset Fed MSA	Mr. Amit Naik
	11.30 am- 1.30 pm	Session 2 Optimization and Tunning of Inset Fed MSA	Mr. Amit Naik
	2.00-3.30 pm	Session 3	Mr. Amit Naik



		Design and Analysis of Probe Fed MSA	
	3.30-5.00 pm	Session 4 Assignment 2 Analysis ,Tunning and Impedance Matching of Probe Fed MSA	Mr. Amit Naik
Day 3- 05/01/18	9.30-11.30 am	Session 1 1.Disscussion on Assignment 2 2.Design and Analysis of Microwave Filter	Mr. Amit Naik
	11.30 am-1.30 pm	Session 2 1.Design a Waveguide and Mode Generation 2.Boundary conditions and Wave Propagation through a Waveguide	Mr. Amit Naik
	2.30-4.30 pm	Session 3 Feedback,Queries and open Disscussion	



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PHOTOGRAPHS NATIONAL WORKSHOP

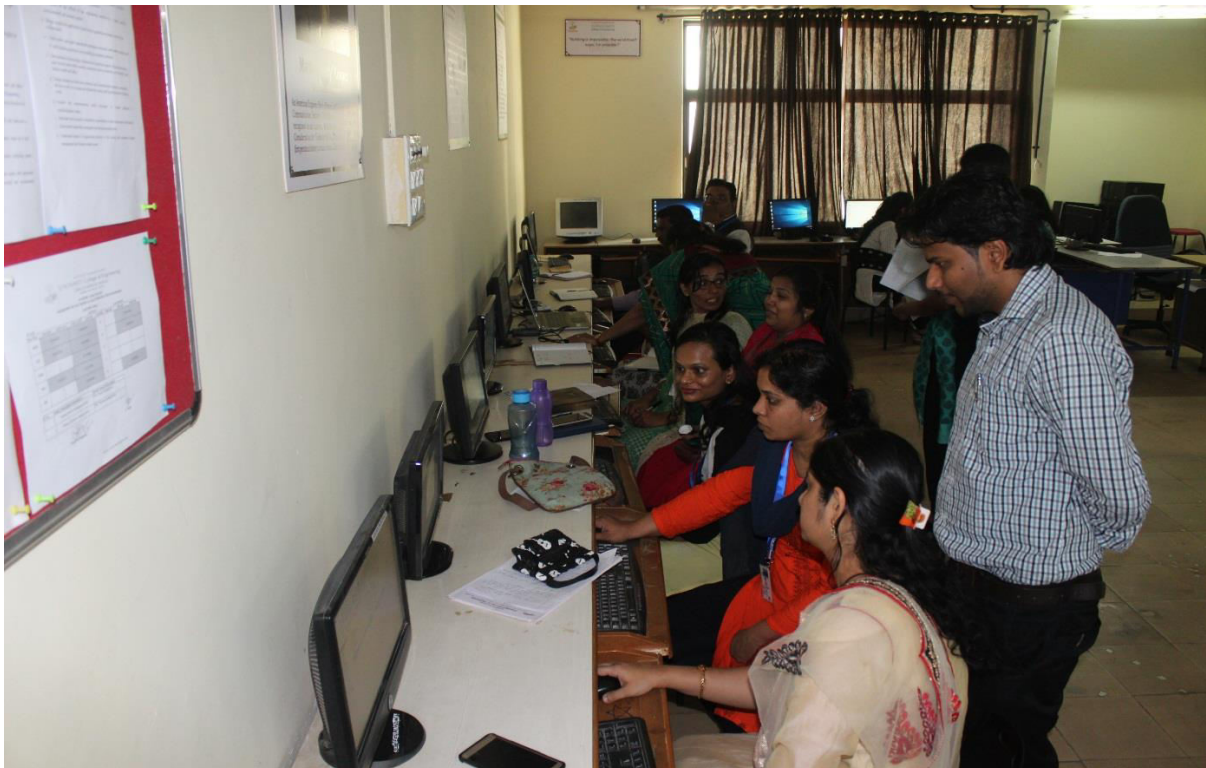




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Valedictory Function

The 3 days National Workshop on “Design and Analysis of Antennas and Microwave Passive Devices using HFSS ” organized by Electronics and Telecommunication Department was ended on a thanking note to the Speakers, Prof. Amit Naik & Prof. Aniket Jangam. The session further was extended by Distribution of Certification to all the participants who attended the workshop. The Workshop was ended with a group photograph of all the Participants, Speakers and Coordinators.

Coordinators

Prof. Rajashri Narwade

Prof. Vijay Kapure

Prof. Sarita Kale

Prof. Sheetal Bukkawar

Convener

Dr. Manjusha Deshmukh

Principal, SCOE