



VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD
Department of Electronics and communication Engineering

Academic Year 2023-24
Antennas & Wave propagation (U21PC540EC)
Activity Report

Conducted for: III B.Tech V Sem

Date: 20/10/2023

Name of the Activity: Demo using simulation tool

Mode of Conduction: Offline

Module: II

Topic: Dipole Antenna

Description: Explanation and Simulation of wired dipole antenna using Ansys HFSS tool for III Year V sem Section B students

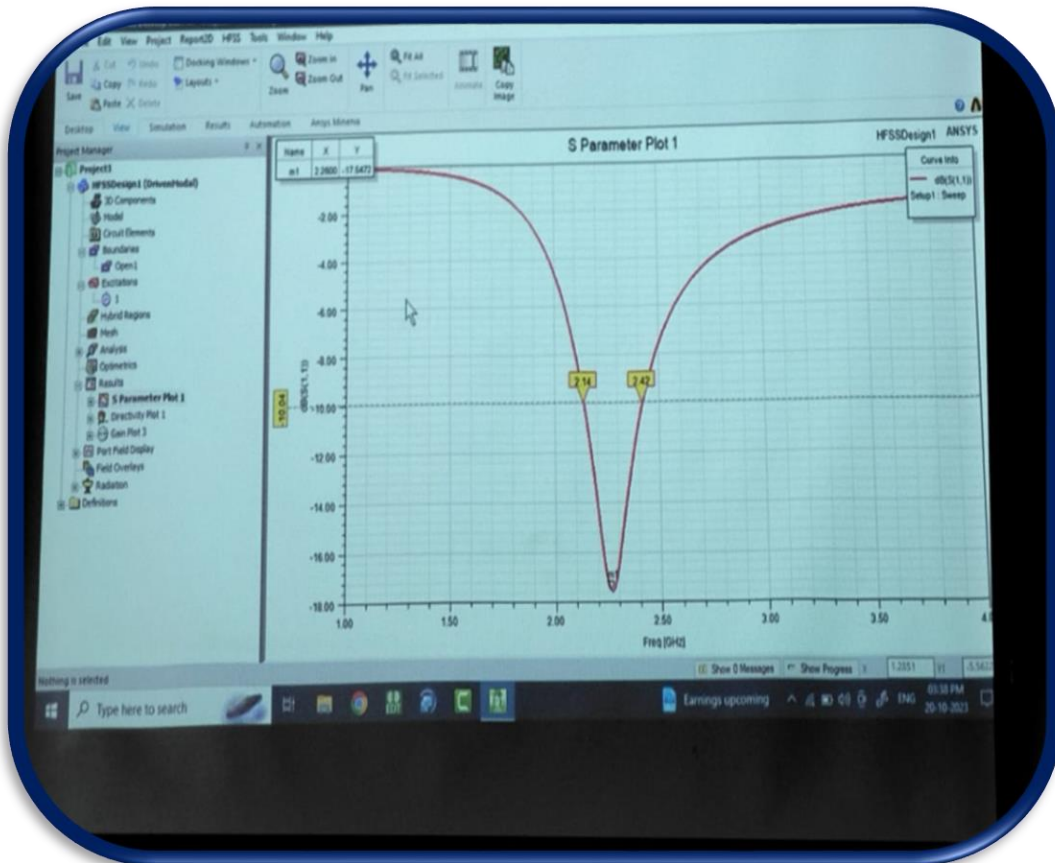
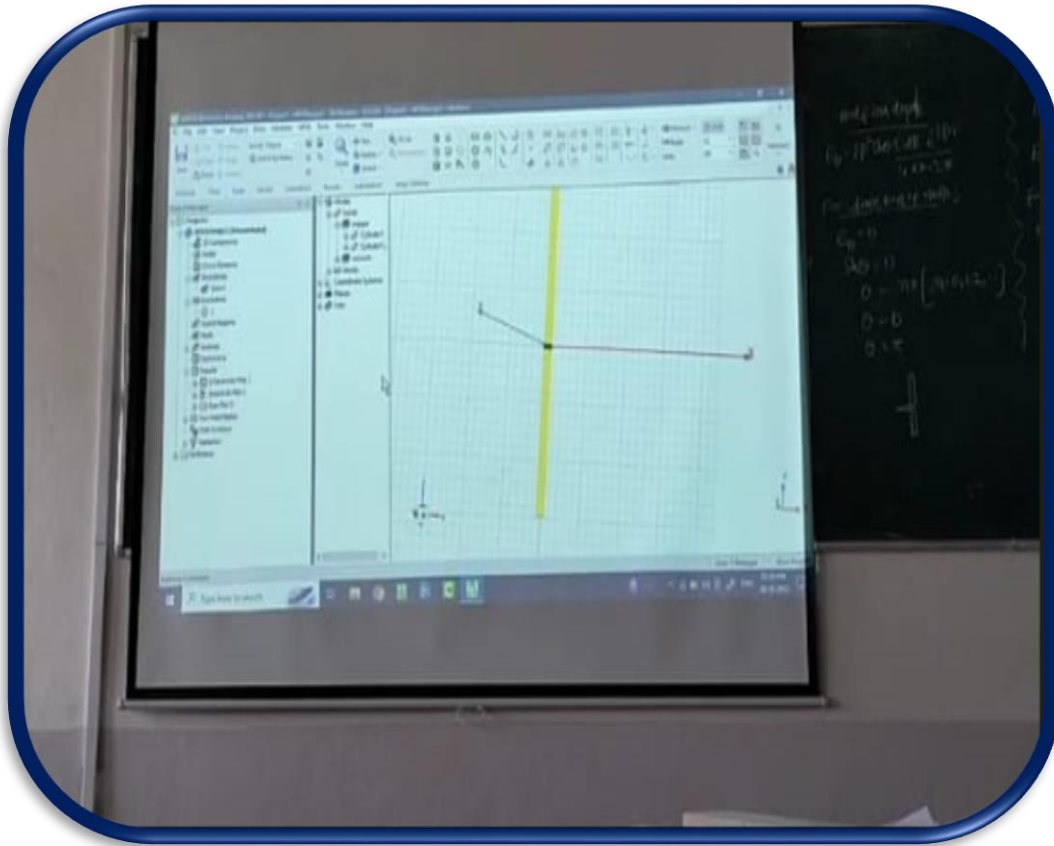
The following are covered during the session

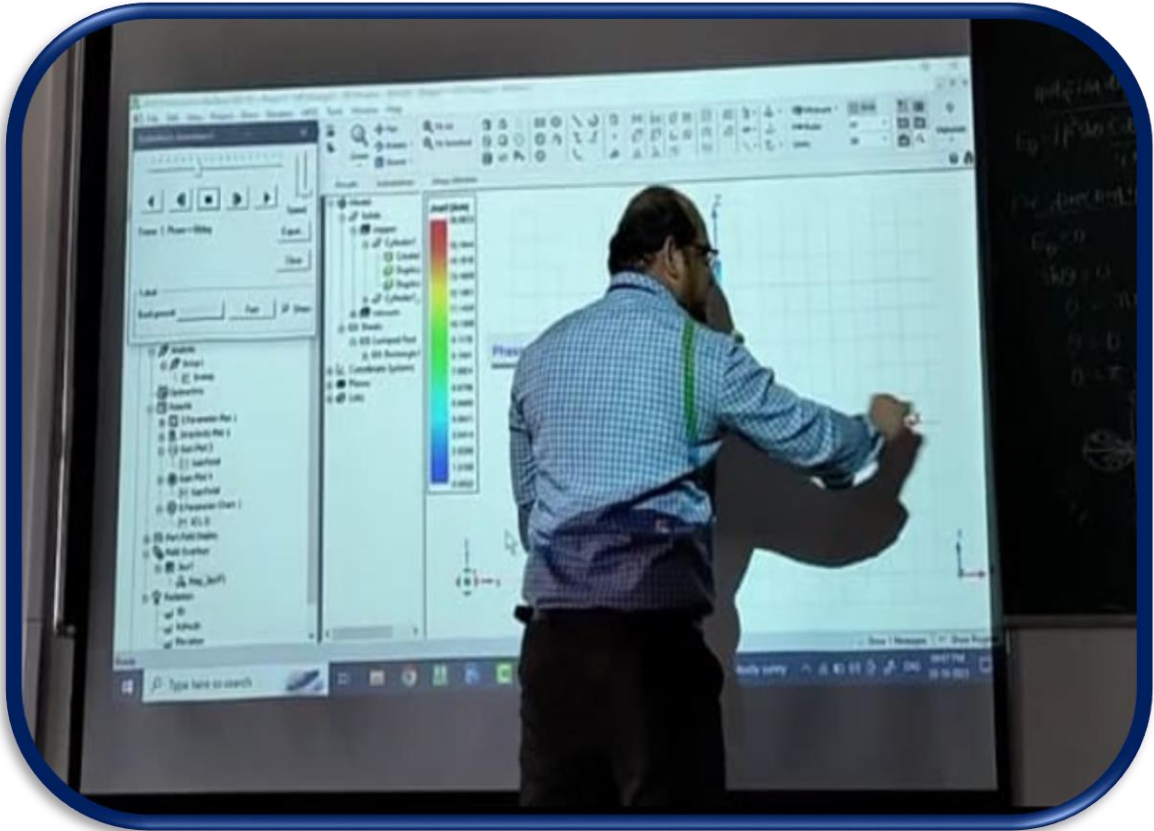
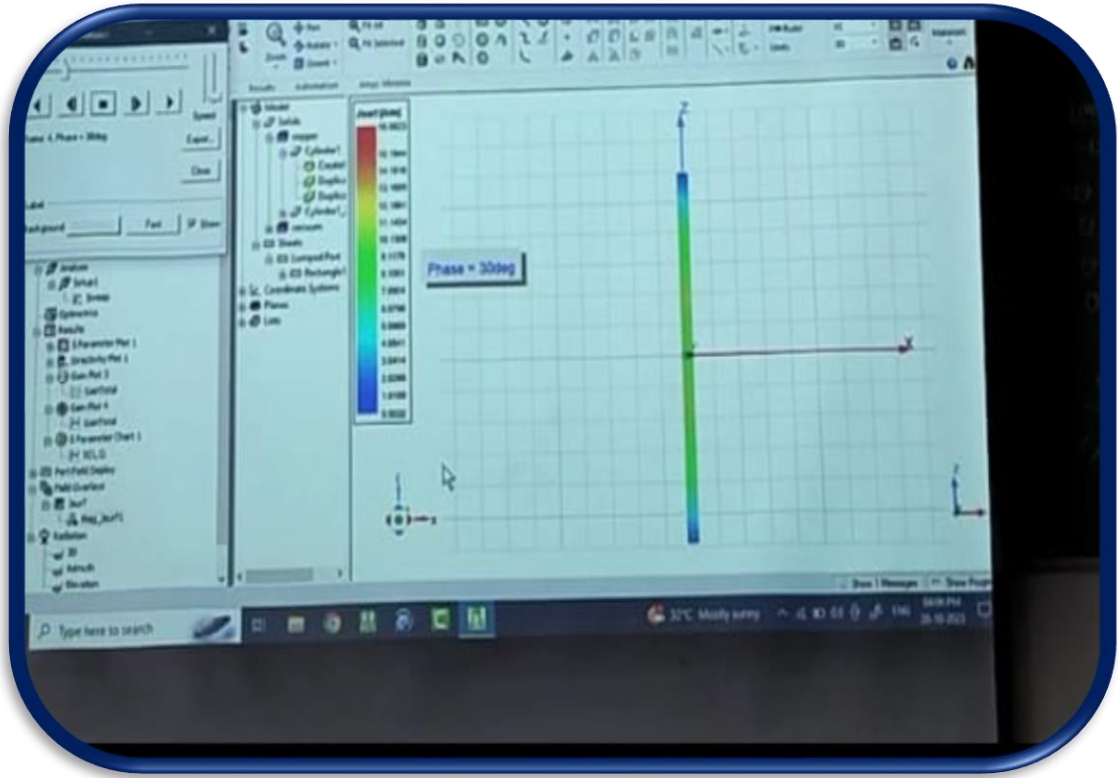
1. Software details
2. Design of Wired dipole antenna
3. Return loss, radiation

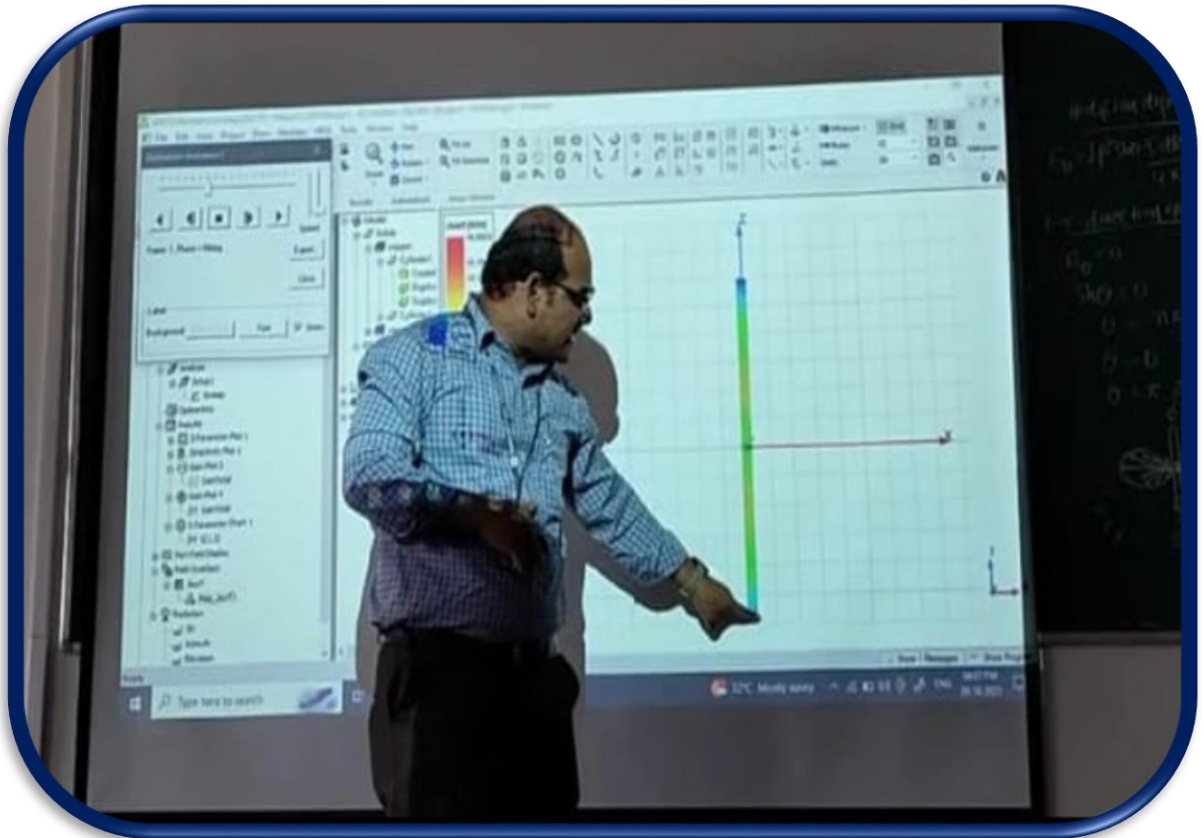
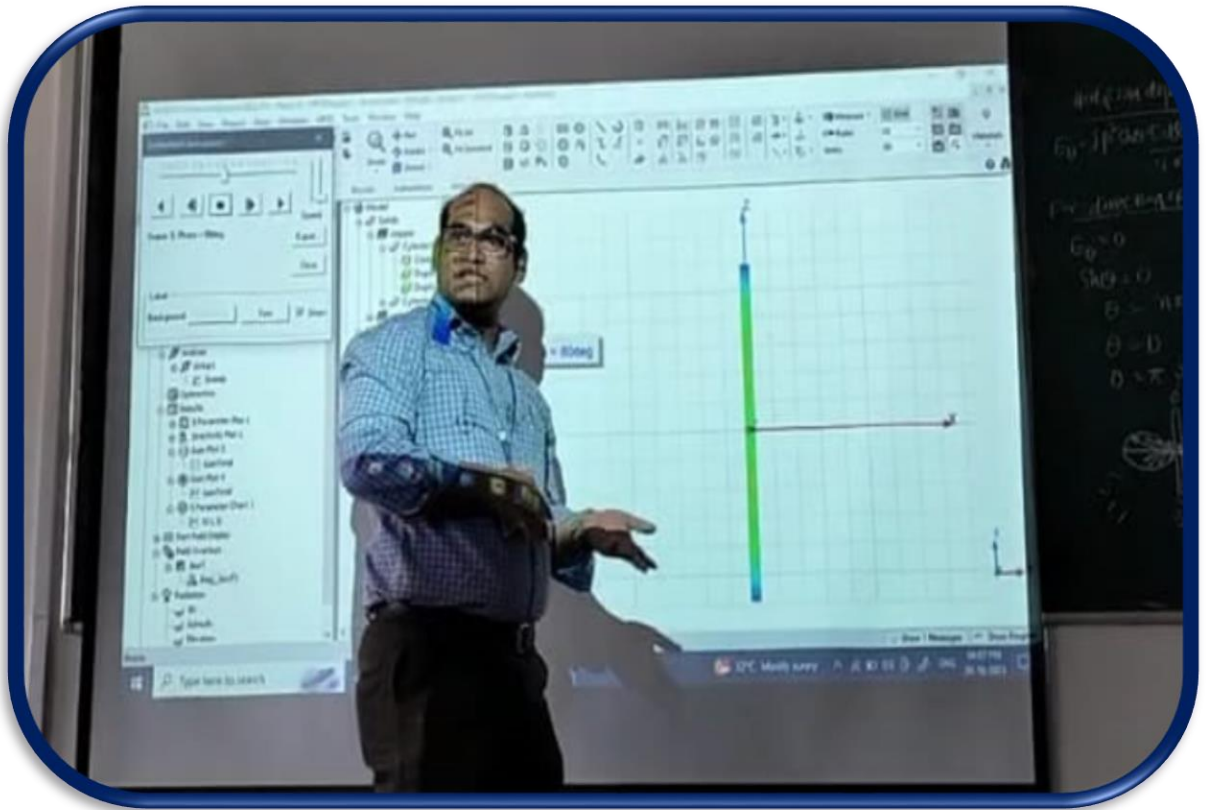
Outcome of the activity conducted:

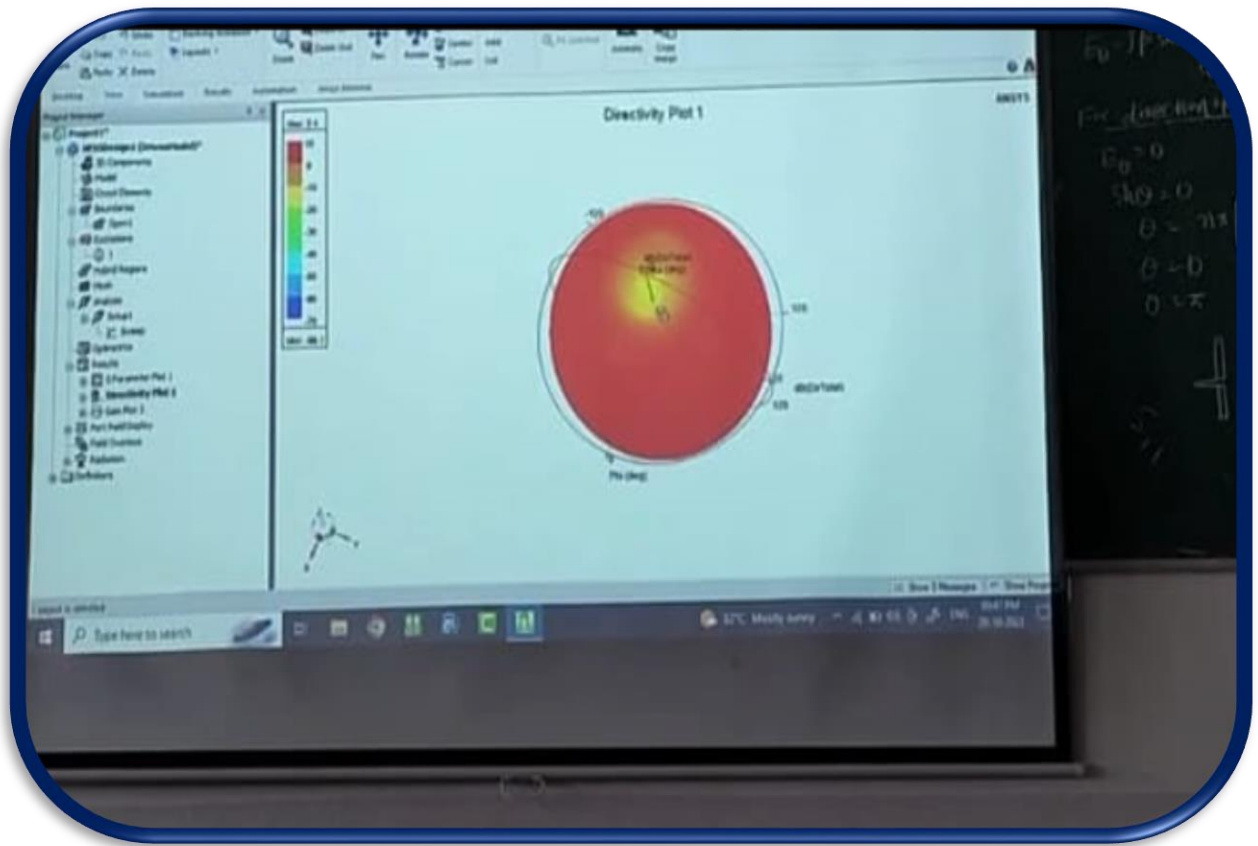
S.No.	Activity is conducted to help students to	Blooms	COs covered and justify
1.	Understand how to use software Ansys-HFSS	Understand	-
2.	Know about design of dipole antenna and how the radiation pattern for dipole antenna is	Apply	U21PC540EC.2: Analyze and design various wire and loop antennas Students can able to observe the resultant radiation pattern and they can verify for dipole antennas with other frequencies
3.	Know about return loss plot for dipole antenna and relation of length of antenna and frequency of operation	Understand	U21PC540EC.2: Analyze and design various wire and loop antennas Students can analyze effect of variation of length of antenna

Evidences:









Staff

Head, ECE