



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. Srikar	Department:	ECE
Regulation:	R18	Branch:	2019-2023
Course Name:	Electromagnetic Theory and Transmission Lines	Course Code:	AECB13
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Describe fundamental laws (Coulomb's and Gauss's) of electrostatic fields to evaluate the field intensity and flux density of continuous charge distributions.	2.3	2.1	2.3	Attainment target reached
CO2	Demonstrate Biot-Savart's law and Ampere's circuit law to determine forces due to magnetic fields.	2	2.2	2	Attainment target reached
CO3	Apply Maxwell's equations and their applications to time varying fields and boundary conditions.	0	2.1	0.4	Attainment target is not yet reached
CO4	Construct the wave equations for both conducting and dielectric media to derive the relation between electric and magnetic field intensities.	0.9	2.1	1.1	Attainment target is not yet reached
CO5	Understand the propagation of electromagnetic waves through different media using the concept of uniform plane waves.	0.9	2.1	1.1	Attainment target is not reached
CO6	Make use of the smith chart as a graphical tool to solve impedance matching issues in transmission lines.	2.7	2.1	2.6	Attainment target reached

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO 3: Additional inputs and assignments will be provided on Maxwell's equations

CO 4: Giving assignments and conducting tutorials on the propagation of electromagnetic waves through different media.

CO 5: Additional inputs and assignments will be provided on the concept of uniform plane waves.

CO 6: Need to solve more problems on smith chart as a graphical tool to solve impedance matching issues in transmission lines


Course Coordinator


Mentor


HOD

Head of the Department
Electronics and Communication Engineering
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