



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## ELECTRONICS AND COMMUNICATION ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Ms. Y MEGHAMALA** Department: **Electronics and Communication Engineering**  
Regulation: **IARE - BT23** Batch: **2023-2027**  
Course Name: **Electromagnetic Waves and Transmission Lines** Course Code: **AECD11**  
Semester: **IV** Target Value: **60% (1.8)**

#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Describe fundamental laws (Coulomb's and Gauss's) of electrostatic fields to evaluate the field intensity and flux density of continuous charge distributions.	3.00	2.30	2.9	Attained
CO2 Demonstrate Biot-Savart's law and Ampere's circuit law to determine forces due to magnetic fields	3.00	2.40	2.9	Attained
CO3 Apply Maxwell's equations and their applications to time varying fields and boundary conditions	3.00	2.40	2.9	Attained
CO4 Construct the wave equations for both conducting and dielectric media to derive the relation between electric and magnetic field intensities.	1.80	2.40	1.9	Attained
CO5 Understand the propagation of electromagnetic waves through different media using the concept of uniform plane waves.	2.60	2.40	2.6	Attained
CO6 Make use of the smith chart as a graphical tool to solve impedance matching issues in transmission lines.	3.00	2.40	2.9	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department

**Dr. P. MUNASWAMY** M.Tech, Ph.D, MISTE  
Professor & Head  
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