



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Dr. V KISHEN AJAY KUMAR** Department: **Electronics and Communication Engineering**
Regulation: **IARE - UG20** Batch: **2022-2026**
Course Name: **Antennas and Wave Propagation** Course Code: **AECC18**
Semester: **V** Target Value: **60% (1.8)**

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Illustrate the radiation mechanism in wire antennas and retarded potentials using Maxwell's equations	0.90	2.10	1.1	Not Attained
CO2 Interpret the radiation characteristics of yagi-uda, horn and helical antennas using radiation pattern in far field region.	1.30	2.10	1.5	Not Attained
CO3 Analyze the radiation characteristics of micro strip and micro wave antennas using electric and magnetic field distribution	2.30	2.10	2.3	Attained
CO4 Identify the radiation patterns of arrays using principle of multiplication pattern	1.60	2.10	1.7	Not Attained
CO5 Examine the performance of antennas using the radiation pattern, directivity and gain	1.60	2.10	1.7	Not Attained
CO6 Select the modes of wave propagation in the atmosphere at micro wave frequencies using refraction and reflection concepts	2.30	2.10	2.3	Attained

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

CO1: Guest lecture will be conduct on adiation characteristics of yagi-uda, horn and helical antennas.

CO2: Tutorial classes will be conduct on micro strip and micro wave antennas.

CO4: Assignments will be given on various radiation patterns of arrays using principle of multiplication pattern.

CO5: Guest lecture will be conduct on fundamentals of radiation pattern, directivity and gain


Course Coordinator


Mentor


Head of the Department

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