

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. V Kishen Ajay kumar	Department:	ECE	
Regulation:	UG 20	Batch:	2020-2024	
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	Observations
CO1	Illustrate the radiation mechanism in wire antennas and retarded potentials using Maxwell's equations	0.9	2.1	1.1	Target not Attained
CO2	Interpret the radiation characteristics of yagi-uda, horn and helical antennas using radiation pattern in far field region.	0.9	2.1	1.1	Target not Attained
.CO3	Analyze the radiation characteristics of micro strip and micro wave antennas using electric and magnetic field distribution	0.9	2.1	1.1	Target not Attained
CO4	Identify the radiation patterns of arrays using principle of multiplication pattern	0.9	2.1	1.1	Target not Attained
CO5	Examine the performance of antennas using the radiation pattern, directivity and gain	1.6	2.1	1.7	Target not Attained
CO6	Select the modes of wave propagation in the atmosphere at micro wave frequencies using refraction and reflection concepts	1.6	2.1	1.7	Target not Attained

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

CO1: Conduct Guest lectures will be on the concepts of radiation mechanism and retarded potentials using Maxwell's equations

CO2: Additional inputs will be provided on the radiation characteristics of yagi-uda, horn and helical antennas

CO3: Giving assignments and conduct tutorials will be on the radiation characteristics of micro strip and micro wave antennas

CO4: Practice tests are will be conduct on the pattern multiplication for more practice.

CO5: Giving assignments and conduct tutorials will be on the measurements of antennas for better understanding.

CO6: Conduct Guest lectures will be on the modes of wave propagation using refraction and reflection concepts.

Course Coordinator

Mentor

F. Omer

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