

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 Kishan Ajay Kumar	Department:	ECE	
Regulation:	IARE-R18	Branch:	2018-2022	
Course Name:	Antennas and Wave propagation	Course Code:	AECB18	
emester: 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	0.3	2.1	0.7	Attainment target is not yet reached
CO2	Interpret the radiation characteristics of yagi-uda, horn and helical antennas using radiation pattern in far field region	1.3	2.1	1.5	Attainment target is not yet reached
CO3	Analyze the radiation characteristics of micro strip and micro wave antennas using electric field distribution	0.9	2.1	1.1	Attainment target is not yet reached
CO4	Identify the radiation patterns of arrays using principle of pattern multiplication	1.6	2.1	1.7	Attainment target is not yet reached
CO5	Examine the performance of antennas using the radiation pattern, directivity and gain	0.6	2.2	0.9	Attainment target is not yet reached
CO6	Select the modes of wave propagation using refraction and reflection concepts	0.3	2.2	0.7	Attainment target is not yet reached

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

CO1: Conducting Guest lectures 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 conducting tutorials on the radiation characteristics of micro strip and micro wave antennas

CO4: Practice tests are conducted on the pattern multiplication for more practice.

CO5: Giving assignments and conducting tutorials on the measurements of antennas for better understanding.

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

Course Coordinator

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Mentor

Dr. P. Ashok Babu, M.E. Ph.D

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