



# 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:	2019-2023
Course Name:	Antennas and Wave propagation	Course Code:	AECB18
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	0.3	2.2	0.7	Attainment target reached
CO2	Interpret the radiation characteristics of yagi-uda, horn and helical antennas using radiation pattern in far field region	0.6	2.2	0.9	Attainment target is not yet reached
CO3	Analyze the radiation characteristics of micro strip and micro wave antennas using electric field distribution	0.9	2.2	1.2	Attainment target is not yet reached
CO4	Identify the radiation patterns of arrays using principle of pattern multiplication	0.9	2.2	1.2	Attainment target is not yet reached
CO5	Examine the performance of antennas using the radiation pattern, directivity and gain	0	2.2	0.4	Attainment target is not yet reached
CO6	Select the modes of wave propagation using refraction and reflection concepts	0.9	2.2	1.2	Attainment target is not yet reached

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

CO1: Providing more information and assignments on the concepts of radiation mechanism and retarded potentials using Maxwell's equations  
CO2: Conducting Guest lectures on the radiation characteristics of yagi-uda, horn and helical antennas for more understanding  
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: Practice tests are conducted 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

Mentor

HOD

Head of the Department  
Electronics and Communication Engineering  
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