INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	**Ms. P Annapurna**	Department:	**ECE**
Regulation:	**IARE-R18**	Branch:	**2018-2022**
Course Name:	**Satellite and Microwave Engineering**	Course Code:	**AECB28**
Semester:	**VII**	Target Value:	**60% (1.8)**

Attainment of Cos:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Recall the concepts of transmission lines and waveguides to derive the field components of wave equations in rectangular modes.	2.3	2.4	2.3	Attainment target reached
CO2	Illustrate the principle of waveguide components which are used to couple microwave power from the waveguide system to make the relation between input and output power	1.3	2.4	1.5	Attainment target is not yet reached
CO3	Apply the concept of S-Matrix to measure output power in microwave junctions and directional couplers	0.9	2.4	1.2	Attainment target is not yet reached
CO4	Demonstrate the operation of microwave tubes, solid state devices for the generation and transmission of the microwave frequencies.	0.9	2.4	1.2	Attainment target is not yet reached
CO5	Describe the satellite subsystem to control the altitude and position of a complete space vehicle / satellite	0.9	2.4	1.2	Attainment target is not yet reached
CO6	Identify an appropriate modulation, multiplexing and multiple access schemes for a satellite communication link to improve the link performance.	1.6	2.4	1.8	Attainment target reached

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

CO2: Additional inputs will be provided on waveguides to couple microwave power for more practice.
CO3: Giving assignments and conducting tutorials on measurement of output power in microwave junctions and directional couplers.
CO4: Practice tests are conducted on the operation of microwave tubes, solid state devices for the generation and transmission of the microwave frequencies
CO5: Conducting Guest lectures on satellite subsystem to control the altitude and position of a complete space vehicle / satellite

Course Coordinator

Mentor

HOD

Head of the Department
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