



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Ms. INDIRA KAMBALA** Department: **Electronics and Communication Engineering**
Regulation: **IARE - UG20** Batch: **2022-2026**
Course Name: **Microwave and Radar Engineering** Course Code: **AECC32**
Semester: **VI** Target Value: **60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Illustrate the principle of waveguide components to couple microwave power and make the relation between input and output power	0.60	2.30	0.9	Not Attained
CO2	Demonstrate the operation of microwave linear and cross field tubes for the generation and transmission of the microwave frequencies	0.60	2.30	0.9	Not Attained
CO3	Make use of microwave bench set-up for measuring the parameters of microwave signal	1.60	2.30	1.7	Not Attained
CO4	Outline the working principle and operation of radar using radar range equation to calculate transmitted power in CW radar	2.30	2.30	2.3	Attained
CO5	Identify the importance of avoiding blind speed phenomenon, staggered PRF MTI systems are used in modern radar for detection of high-speed moving targets	0.90	2.30	1.2	Not Attained
CO6	Choose the appropriate microwave sources, amplifiers and mixers for employing the transmitters and receivers in radar	0.90	2.30	1.2	Not Attained

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

CO1: Guest lecture will be conduct on principle of waveguide components to couple microwave power and make the relation between input and output power

CO2: Assignments will be given on operation of microwave linear and cross field tubes for the generation and transmission of the microwave frequencies

CO3: Assignments will be given on microwave bench set-up for measuring the parameters of microwave signal

CO5: Guest lecture will be conduct on staggered PRF MTI systems are used in modern radar for detection of high-speed moving targets

CO6: Assignments will be given on microwave sources, amplifiers and mixers for employing the transmitters and receivers in radar

Course Coordinator

Mentor

Head of the Department

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