



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:	Radar Systems and Processing	Course Code:	AECB50
Semester:	VII	Target Value:	60% (1.8)

Attainment of Cos:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observations	
CO1	Demonstrate the principle and operation of Radar using Radar Range Equation to calculate transmitted power	2.3	2.5	2.3	Attainment target reached
CO2	Analyze the principle of FM-CW radar and use it in FM- CW altimeter to measure range and Doppler frequency of the target	1.6	2.6	1.8	Attainment target reached
CO3	Illustrate the concept of blind speeds, range gated Doppler filters and moving target indicator with Pulse Doppler radar for detection of moving targets	0.9	2.5	1.2	Attainment target is not yet reached
CO4	Choose the appropriate matched filters in Radars receivers to maximize signal to noise ratio	3	2.5	2.9	Attainment target reached
CO5	Describe Radar displays and duplexers for transmission and display the data on the screen	3	2.5	2.9	Attainment target reached
CO6	Analyze the detection techniques of target echo signal reflected back to the radar antenna for obtaining the location and distance of the reflecting object	2.3	2.5	2.3	Attainment target reached

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

CO3: Conduct guest lectures on the concept of blind speeds, range gated Doppler filters in Pulse Doppler radar


Course Coordinator


Mentor


HOD
Head of the Department
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