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. B Lakshmi Prasanna**	Department:	**ECE**
Regulation:	**R18**	Batch:	**2019-2023**
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	3	2.2	2.8	Target Attained
CO2	Analyze the principle of FM-CW radar and use it in FM- CW altimeter to measure range and Doppler frequency of the target	3	2.1	2.8	Target Attained
CO3	Illustrate the concept of blind speeds, range gated Doppler filters and moving target indicator with Pulse Doppler radar for detection of moving targets	2.3	2.1	2.3	Target Attained
CO4	Choose the appropriate matched filters in Radars receivers to maximize signal to noise ratio	3	2.1	2.8	Target Attained
CO5	Describe Radar displays and duplexers for transmission and display the data on the screen	3	2.1	2.8	Target Attained
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	3	2.1	2.8	Target Attained

B. Lakshmiprasana
Course Coordinator

B. Lakshmiprasana
Mentor

HOD

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Professor & Head
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