



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-R16 | Branch: | 2017-2021 |
| Course Name: | Radar Systems | Course Code: | AEC521 |
| Semester: | VI | 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 | 1.7 | 3.0 | 2 | 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 | 3 | 2.7 | 2.9 | 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 | 1.7 | 3.0 | 2 | Attainment target reached |
| CO4 | Choose the appropriate matched filters in Radars receivers to maximize signal to noise ratio | 3 | 3.0 | 3 | Attainment target reached |
| CO5 | Describe Radar displays and duplexers for transmission and display the data on the screen | 3 | 2.7 | 2.9 | Attainment target reached |
| CO6 | Describe the tracking radar principles, different types of angle tracking for obtaining target position | 0.9 | 2.7 | 1.3 | Attainment target is not yet reached |

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

CO6: Giving assignments and conducting tutorials on tracking for obtaining target position


Course Coordinator


Mentor


HOD

Head of the Department
Electronics and Communication Engineering
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