



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

| | | | |
|----------------------|--------------------------|---------------|-----------|
| Name of the Faculty: | Dr. V Kishen Ajay Kumar | Department: | ECE |
| Regulation: | IARE-R16 | Branch: | 2017-2021 |
| Course Name: | Antennas and Propagation | Course Code: | AEC011 |
| Semester: | V | Target Value: | 60% (1.8) |

Attainment of Cos:

| Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observations |
|---|-------------------|---------------------|--------------------|--------------------------------------|
| CO1 Compare the basic antenna parameters and antenna theorems using electromagnetic field theory to measure radiation characteristics of antennas. | 0.9 | 2.6 | 1.2 | Attainment target is not yet reached |
| CO2 Illustrate array system of antennas and field analysis under application of currents for the individual antenna elements to increase gain. | 0.9 | 2.6 | 1.2 | Attainment target is not yet reached |
| CO3 Classify the frequency ranges of operation and applications of antennas to achieve greater radiation efficiency over extremely wide bandwidth. | 0.9 | 2.5 | 1.2 | Attainment target is not yet reached |
| CO4 Identify antennas based on frequency using feeding methods for specific applications to improve directional characteristics. | 0.9 | 2.6 | 1.2 | Attainment target is not yet reached |
| CO5 Apply the concepts of radiation mechanism to measure antenna parameters for given specifications. | 1.6 | 2.6 | 1.8 | Attainment target reached |
| CO6 Summarize modes of radio wave propagation in the atmosphere at VHF and microwave frequencies to estimate the parameters of wave propagation. | 2.3 | 2.6 | 2.4 | Attainment target reached |

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

CO1: Conducting Guest lectures on antenna parameters, theorems, array systems of antenna fields for more understanding.

CO2: Additional inputs will be provided on antenna theorems, field analysis under application of current for individual antenna for more understanding.

CO3: Giving assignments and conducting tutorials on applications of antennas.

CO4: Practice tests are conducted on feeding methods for more practice.

Kishan.
Course Coordinator

[Signature]
Mentor

[Signature]
HOD
Head of the Department
Electronics and Communication Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043