INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

# ELECTRONICS AND COMMUNICATION ENGINEERING

## ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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| Name of the faculty: | **Ms. P GANGA BHAVANI** | Department: | **Electronics and Communication Engineering** |
| Regulation: | **IARE - R20** | Batch: | **2021-2025** |
| Course Name: | **Antennas and Wave Propagation** | Course Code: | **AECC18** |
| Semester: | **V** | Target Value: | **60% (1.8)** |

**Attainment of COs:**

| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|---|---|---|---|---|---|
| CO1 | Illustrate the radiation mechanism in wire antennas and retarded potentials using Maxwell's equations | 2.30 | 2.10 | 2.3 | Attained |
| CO2 | Interpret the radiation characteristics of yagi-uda, horn and helical antennas using radiation pattern in far field region. | 2.70 | 2.10 | 2.6 | Attained |
| CO3 | Analyze the radiation characteristics of micro strip and micro wave antennas using electric and magnetic field distribution | 3.00 | 2.10 | 2.8 | Attained |
| CO4 | Identify the radiation patterns of arrays using principle of multiplication pattern | 2.10 | 2.10 | 2.1 | Attained |
| CO5 | Examine the performance of antennas using the radiation pattern, directivity and gain | 2.10 | 2.10 | 2.1 | Attained |
| CO6 | Select the modes of wave propagation in the atmosphere at micro wave frequencies using refraction and reflection concepts | 1.40 | 2.10 | 1.5 | Not Attained |

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

CO6: Guest lecture will be conduct on wave propagation in the atmosphere at micro wave frequencies and refraction and reflections

Course Coordinator

Mentor

Head of the Department

Head of the Department
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