



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

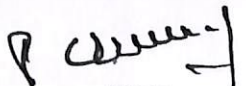
|                      |                            |               |                  |
|----------------------|----------------------------|---------------|------------------|
| Name of the Faculty: | <b>Dr M Suman Kalyan</b>   | Department:   | <b>ECE</b>       |
| Regulation:          | <b>UG20</b>                | Batch:        | <b>2021-2025</b> |
| Course Name:         | <b>Engineering Physics</b> | Course Code:  | <b>AHSC03</b>    |
| Semester:            | <b>I</b>                   | Target Value: | <b>60% (1.8)</b> |

### Attainment of COs:

| Course Outcome |  | Direct Attainment | Indirect Attainment | Overall Attainment | Observations    |
|----------------|--|-------------------|---------------------|--------------------|-----------------|
| CO1            | Apply the concepts of dual nature of matter and Schrodinger wave equation to a particle enclosed in simple systems   | 3                 | 2.4                 | 2.9                | Target Attained |
| CO2            | Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..   | 2.3               | 2.4                 | 2.3                | Target Attained |
| CO3            | Compare the concepts of LASER and normal light in terms of mechanism and working principles for applications in various fields and scientific practices                              | 2.3               | 2.4                 | 2.3                | Target Attained |
| CO4            | Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion                                      | 2.3               | 2.4                 | 2.3                | Target Attained |
| CO5            | Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition  | 3                 | 2.4                 | 2.9                | Target Attained |
| CO6            | Make use of the concept of simple harmonic motion and arrive at expressions for damped, forced harmonic oscillators and wave equations by using necessary mathematical formulations. | 3                 | 2.4                 | 2.9                | Target Attained |

  
Course Coordinator

  
Mentor

  
HOD

**Dr. P. MUNASWAMY** M.Tech, Ph.D, MISTE  
Professor & Head  
ELECTRONICS AND COMMUNICATION ENGINEERING  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad- 500 043. T.S.