



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

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

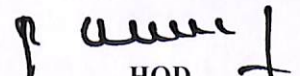
Name of the Faculty:	<b>Mr. T Srikanth</b>	Department:	<b>ECE</b>
Regulation:	<b>R18</b>	Batch:	<b>2019-2023</b>
Course Name:	<b>Waves and Optics</b>	Course Code:	<b>AHSB04</b>
Semester:	<b>I</b>	Target Value:	<b>60% (1.8)</b>

### 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	2.6	2.9	Target Attained
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	2	2.6	2.1	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.	2.7	2.6	2.7	Target Attained
CO4	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	3	2.6	2.9	Target Attained
CO5	Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition.	3	2.6	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.	1.6	2.6	1.8	Target Attained

  
Course Coordinator

  
Mentor

  
HOD

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