



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## MECHANICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. CHANDRA PRAKASH ANTHAM	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Engineering Physics	Course Code:	AHSC03
Semester:	I	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Apply the concepts of dual nature of matter and Schrodinger wave equation to a particle enclosed in simple systems	3.00	2.70	2.9	Attained
CO2 Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..	0.90	2.70	1.3	Not 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	2.30	2.60	2.4	Attained
CO4 Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion	0.90	2.60	1.2	Not Attained
CO5 Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition	2.30	2.50	2.3	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.	0.90	2.60	1.2	Not Attained

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


CO2: Assignments and slip tests will be given to improve the knowledge and to reach the level.

CO4: Assignments and slip tests will be given to improve the knowledge and to reach the level.

CO6: Assignments and slip tests will be given to improve the knowledge and to reach the level.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Mechanical Engineering  
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