



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. CHANDRA PRAKASH ANTHAM	Department:	Civil 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	1.60	2.60	1.8	Attained
CO2 Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..	0.90	2.60	1.2	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	3.00	2.60	2.9	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	1.30	2.60	1.6	Not 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.	0.60	2.60	1	Not Attained

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

CO2: More assignments will be given to improve the knowledge on semiconductors in terms of carrier concentration and Fermi level.

CO4: Assignments and slip tests will be given to students to gain the knowledge optical fiber communication system.

CO5: Assignments and slip tests will be given to improve the knowledge on interference and diffraction by using the principles of wave motion and superposition.

CO6: Inviting experts to deliver the lectures on harmonic motion and arrive at expressions for damped, forced harmonic oscillators.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Civil Engineering
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Dundigal, Hyderabad