



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. RIZWANA	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Engineering Physics	Course Code:	AHSC03
Semester:	I	Target Value:	60% (1.8)

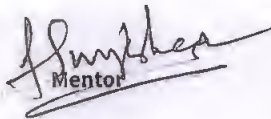
Attainment of COs:


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	0.90	2.50	1.2	Not 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	1.60	2.50	1.8	Attained
CO4 Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion	0.90	2.50	1.2	Not Attained
CO5 Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition	0.90	2.60	1.2	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.	0.90	2.50	1.2	Not Attained

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

- CO1: Additional reading material to understand Schrodinger wave equation are to be given.
CO2: Digital content on solids and semi-conductors are to be given for better understanding.
CO4: Digital content on optical fiber as communication system are to be provided.
CO5: Digital content on interference and diffraction phenomenon are to be given.
CO6: Additional reading material on simple harmonic motion are to be given.


Course Coordinator


Mentor


Head of the Department
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