



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. RIZWANA	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
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	2.40	2.9	Attained
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..	3.00	2.40	2.9	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	0.90	2.40	1.2	Not Attained
CO4	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion	3.00	2.40	2.9	Attained
CO5	Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition	2.30	2.40	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.	3.00	2.40	2.9	Attained

Action Taken:

CO3: More real-time applications may be given on Laser and normal light for better understanding.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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