



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. SHANKARAI AH NADDI	Department:	Electronics and Communication 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	2.30	2.50	2.3	Attained
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..	0.90	2.40	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	2.30	2.40	2.3	Attained
CO4	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion	1.60	2.40	1.8	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.	0.90	2.40	1.2	Not Attained

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

CO2: To enhance the knowledge of the topic, more assignments and quiz will be given.

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
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