INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. B MANIKYA PRATIMA**	Department:	**Civil Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
Course Name:	**Engineering Physics**	Course Code:	**AHSC03**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	Observation
CO1	Apply the concepts of dual nature of matter and Schrodinger wave equation to a particle enclosed in simple systems	1.30	2.20	1.5	Not Attained
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level..	0.90	2.20	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	0.90	2.20	1.2	Not Attained
CO4	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion	2.30	2.20	2.3	Attained
CO5	Interpret the phenomenon of interference and diffraction by using the principles of wave motion and superposition	1.60	2.20	1.7	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	2.20	0.9	Not Attained

Action Taken:

CO1: Giving assignments and conducting tutorials on Applying the concepts of the dual nature of matter and Schrodinger wave equation to a particle enclosed in simple systems

CO2: Additional inputs will be provided to Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.

CO3: Providing more information on Comparing the concepts of LASER and normal light in terms of mechanism and working principles for applications in various fields and scientific practices

CO5: Need to provide more problems and assignments on the phenomenon of interference and diffraction by using the principles of wave motion and superposition

CO6: Giving assignments and conducting tutorials on the use of the concept of simple harmonic motion and arriving at expressions for damped, forced harmonic oscillators and wave equations by using necessary mathematical formulations.

B. Manikya

Course Coordinator

Mentor

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Head of the Department
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