



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT


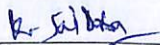
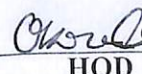
Name of the faculty:	Mr. K Sai Baba	Department:	CSE(CS)
Regulation:	IARE – UG20	Batch:	2020- 2024
Course Name:	Applied Physics	Course Code:	AHSC09
Semester:	II	Target Value:	60% (1.8)

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 for particle enclosed in simple systems.	0.9	2.4	1.2	Attainment target is not reached.
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	2.3	2.4	2.3	Attainment target reached
CO3	Make use of the key concepts of semiconductors to explain the basic working mechanism of optoelectronic device characteristics of light-emitting diodes, photodetectors and solar cells.	0.9	2.3	1.2	Attainment target is not reached.
CO4	Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	1.6	2.4	1.8	Attainment target is reached.
CO5	Compare the concepts of LASER and normal light in terms of mechanism and working principles for applications in different fields and scientific practice.	1.6	2.4	1.8	Attainment target is reached.
CO6	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	0.9	2.4	1.2	Attainment target is not reached.

Action taken report:

CO 1: Need to provide more concepts of dual nature of matter and Schrodinger wave equation for particle enclosed in simple systems.
CO 3: Need to provide concepts of semiconductors to explain the basic working mechanism.
CO 6: Need to provide more concept and understanding of the resources and environment.

 Course Coordinator	 Mentor	 HOD
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Head of the Department
CSE (Cyber Security)
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