



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

INFORMATION TECHNOLOGY

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. C R KESAVULU	Department:	Information Technology
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Applied Physics	Course Code:	AHSC09
Semester:	II	Target Value:	60% (1.8)

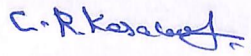
Attainment of COs:

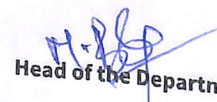
Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Apply the concepts of dual nature of matter and Schrodinger wave equation for particle enclosed in simple systems.	3.00	2.20	2.8	Attained
CO2 Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	0.90	2.20	1.2	Not Attained
CO3 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.	2.30	2.20	2.3	Attained
CO4 Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	2.30	2.20	2.3	Attained
CO5 Compare the concepts of LASER and normal light in terms of mechanism and working principles for applications in different fields and scientific practice.	3.00	2.20	2.8	Attained
CO6 Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	3.00	2.20	2.8	Attained

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

CO2: Need to conduct guest lectures on semiconductors.


Course Coordinator


Mentor


Head of the Department