



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## INFORMATION TECHNOLOGY


### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. B VENKATA KRISHNA PRASAD	Department:	Information Technology
Regulation:	IARE - R20	Batch:	2021-2025
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.	2.30	2.30	2.3	Attained
CO2 Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	2.00	2.30	2.1	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	2.40	2.3	Attained
CO4 Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	2.30	2.30	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	2.40	2.9	Attained
CO6 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

#### Action Taken:

  
Course Coordinator

  
Mentor

Head of the Department

