



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. SINGAVARAPU SUJANI	Department:	Computer Science and Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	Semiconductor Physics	Course Code:	AHSB13
Semester:	II	Target Value:	70% (2.1)

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.	3.00	2.50	2.9	Attained
CO2 Demonstrate the classification of Solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	3.00	2.50	2.9	Attained
CO3 Make use of the key concepts of semiconductors to explain the basic working mechanism of optoelectronic device characteristics of lightemitting diodes, photodetectors and solar cells.	3.00	2.50	2.9	Attained
CO4 Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	1.60	2.50	1.8	Not Attained
CO5 Compare the concepts of LASER and normal light in terms of mechanism and working principles for applications in different fields and scientific practices.	0.60	2.50	1	Not Attained
CO6 Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	3.00	2.50	2.9	Attained

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

CO4: A seminar will be arranged on Engineering Applications of electric and magnetic materials to make students understand importance of Electric and Magnetic materials in computer Science engineering .

CO5: Laser and Normal Light applications will be demonstrated in lab sessions to make student understand the respective concepts


Course Coordinator


Mentor


Head of the Department