



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)


## ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	Dr.M.Suman Kalyan	Department	CSE(DS)
Regulations	UG20	Batch	2021-2025
Course Name	Applied Physics	Course Code:	AHSC09
Semester	II	Target Value	70% (2.1 on 3 Scale)

### Attainment of COs:

Course Outcomes		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	2.4	2.9	Target attained
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	Target 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.	3	2.4	2.9	Target attained
CO4	Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	3	2.4	2.9	Target 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	2.4	2.9	Target attained
CO6	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	2.1	2.4	2.9	Target attained

Action taken report:

  
Course Coordinator

  
Mentor

  
HOD

Head of the Department  
Data Science  
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