



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE) ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

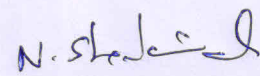
Name of the Faculty	<b>Dr.N.N.S.S.Seshagiri Rao</b>	Department	<b>CSE(DS)</b>
Regulations	<b>UG20</b>	Batch	<b>2020-2024</b>
Course Name	<b>Applied Physics</b>	Course Code:	<b>AHSC09</b>
Semester	<b>II</b>	Target Value	<b>70% (2.1 on 3 Scale)</b>

### 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.	0.9	2.2	1.2	Target not attained
CO2	Demonstrate the classification of solids and important aspects of semiconductors in terms of carrier concentration and Fermi level.	3	2.2	2.8	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.	0.9	2.3	1.2	Target not attained
CO4	Illustrate the properties of dielectric and magnetic materials suitable for engineering applications.	3	2.3	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.	2.3	2.2	2.3	Target not attained
CO6	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	1.6	2.2	1.7	Target not attained

### Action taken report:

CO1,CO3&CO6 : to achieve the attainment, Conducting guest lectures and arranging workshops topic wise

  
Course Coordinator

  
Mentor

  
HOD

Head of the Department  
Data Science  
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