



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. SANTOSH SINGH	Department:	Aeronautical Engineering
Regulation:	IARE - BT23	Batch:	2024-2028
Course Name:	Applied Physics	Course Code:	AHSD07
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Use the general rules of indexing of directions and planes in lattices to identify the crystal systems and the Bravais lattices.	2.00	2.30	2.1	Attained
CO2	Extend the principles of dual nature of matter and Schrodinger wave equation to a particle enclosed in simple systems.	1.80	2.30	1.9	Attained
CO3	Analyze the concepts of laser with normal light in terms of mechanism for applications in different fields and scientific practices.	1.20	2.30	1.4	Not Attained
CO4	Comprehend the knowledge on functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	2.40	2.30	2.4	Attained
CO5	Gain knowledge on properties of magnetic and superconducting materials suitable for engineering applications.	2.00	2.30	2.1	Attained
CO6	Formulate the principle factors, fabrication, characterization techniques and the applications of nanomaterials.	1.80	2.30	1.9	Attained

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

CO3: Conducted additional lectures to reinforce fundamental concepts of laser action and comparison with normal light sources.

Course Coordinator

Mentor

Head of the Department

Head of the Department  
Aeronautical Engineering  
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