



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**CIVIL ENGINEERING**

**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Dr. K HARI PRASAD	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Applied Physics Laboratory	Course Code:	AHSD09
Semester:	II	Target Value:	70% (2.1)

**Attainment of COs:**

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the type of semiconductor using the principle of Hall effect and also determine the energy gap and resistivity of a semiconductor diode using four probe method.	3.00	0.00	3	Attained
CO2	Illustrate principle, working and application of wave propagation and compare the results of frequency with theoretical harmonics and overtones.	3.00	0.00	3	Attained
CO3	Investigate the energy losses, curie temperature and properties associated with a given Ferro magnetic material	3.00	0.00	3	Attained
CO4	Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture and determine the divergence of Laser beam	3.00	0.00	3	Attained
CO5	Graph V-I /L-I characteristics of various optoelectronic devices like Light Emitting diode, Solar cell at different intensities to understand their basic principle of functioning as well as to infer the value of Planck's constant	3.00	0.00	3	Attained
CO6	Analyse the variation of magnetic field induction produced at various points along the axis of current carrying coil.	3.00	0.00	3	Attained

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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Dundigal, Hyderabad - 500 043.