INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

COMPUTER SCIENCE AND ENGINEERING (AI&ML)

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Dr. SHANKARAIAH NADDI**	Department:	**Computer Science and Engineering (AI&ML)**
Regulation:	**IARE - BT23**	Batch:	**2024-2028**
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**

Head of the Department
CSE (Artificial Intelligence & Machine Learning)
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