



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty: **Dr. J GLORY** Department: **Electronics and Communication Engineering**
Regulation: **IARE - BT23** Batch: **2023-2027**
Course Name: **Applied Physics Laboratory** Course Code: **AHSD09**
Semester: **II** Target Value: **60% (1.8)**

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

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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