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

ELECTRICAL AND ELECTRONICS ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Ms. SINGAVARAPU SUJANI**	Department:	**Electrical and Electronics Engineering**
Regulation:	**IARE - R20**	Batch:	**2022-2026**
Course Name:	**Physics Laboratory**	Course Code:	**AHSC05**
Semester:	**I**	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 of a semiconductor diode.	0.90	0.00	0.9	Not Attained
CO2	Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.	0.90	0.00	0.9	Not Attained
CO3	Investigate the energy losses associated with a given ferromagnetic material and also magnetic field induction produced at various points along the axis of current carrying coil.	0.90	0.00	0.9	Not Attained
CO4	Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture.	0.90	0.00	0.9	Not Attained
CO5	Utilize the phenomena of interference and diffraction for the determination of various parameters like radius of curvature of convex lens, wavelength of laser light and width of single slit.	0.90	0.00	0.9	Not Attained
CO6	Investigate V-I/L-I characteristics of various optoelectronic devices like Light Emitting Diode, Photodiode to understand their basic principle of functioning as well as to infer the value of Planck's constant.	0.90	0.00	0.9	Not Attained

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

CO1: Extra classes taken.

CO2: Explain more examples on the working and application of wave propagation and compare results with theoretical harmonics and overtones

CO3: Explain more examples on the various points along the axis of current carrying coil.

CO4: More classes taken

CO5: more problrm on radius of curvature of convex lens, wavelength of laser light and width of single slit.

CO6: Practice based on the basic model quation banks.

S. Sujani
Course Coordinator

Mentor

Head of the Department