



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad - 500 043

ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Mr. Chandra Prakash Antham	Department:	ECE
Regulation:	R18	Branch:	2018-2022
Course Name:	Engineering Physics laboratory	Course Code:	AHSB10
Semester:	I	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Overall Attainment	Observations
CO1	Identify the type of semiconductor using the principle of Hall Effect and also determine the energy gap of a semiconductor diode.	3	Attainment target reached
CO2	Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.	3	Attainment target reached
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.	3	Attainment target reached
CO4	Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture.	3	Attainment target reached
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.	3	Attainment target reached
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.	3	Attainment target reached

Course Coordinator

Mentor

HOD

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