INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

ATTAINMENT OF COURSE OUTCOMES (COS) – ACTION PLAN

Name of the Faculty	**Dr.N.V.S.S.Rao**	Department	**CSE(DS)**
Regulations	**UG20**	Batch	**2020-2024**
Course Name	**Physics Laboratory**	Course Code	**AHSC05**
Semester	**II**	Target Value	**70%(2.1 on 3 Scale)**

Attainment of COs:

	Course Outcomes	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.	3	Target Attained
CO2	Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.	3	Target 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.	3	Target Attained
CO4	Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture.	3	Target 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.	3	Target 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.	3	Target Attained

Course Coordinator **Mentor** **HOD**

Head of the Department
Data Science
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