



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. RIZWANA	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2020-2024
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.	0.70	0.00	0.7	Not Attained
CO2 Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.	0.70	0.00	0.7	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.	0.70	0.00	0.7	Not Attained
CO4 Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture.	0.70	0.00	0.7	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.	0.70	0.00	0.7	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.	0.70	0.00	0.7	Not Attained

#### Action Taken:

CO1: Digital content and videos are given in classes for a better understanding of concept.

CO2: Digital content and videos are given in classes for a better understanding of concept.

CO3: Digital content and videos are given in classes for a better understanding of concept.


CO4: Digital content and videos are given in classes for a better understanding of concept.

CO5: Digital content and videos are given in classes for a better understanding of concept.

CO6: Digital content and videos are given in classes for a better understanding of concept.

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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