



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: | 2022-2026 |
| Course Name: | Physics Laboratory | Course Code: | AHSC05 |
| 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 of a semiconductor diode. | 2.00 | 0.00 | 2 | Attained |
| CO2 Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones. | 2.00 | 0.00 | 2 | 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. | 2.00 | 0.00 | 2 | Attained |
| CO4 Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture. | 2.00 | 0.00 | 2 | 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. | 2.00 | 0.00 | 2 | 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. | 2.00 | 0.00 | 2 | Attained |

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


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043