



# 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             | Department:   | ECE       |
| Regulation:          | R18                            | Batch:        | 2019-2023 |
| 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.  | 2.3                | Target Attained |
| CO2            | Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.  | 2.3                | 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.                                 | 2.3                | Target Attained |
| CO4            | Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture.   | 2.3                | 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.                     | 2.3                | 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. | 2.3                | Target Attained |

*c.prakash*  
Course Coordinator

*Dany*  
Mentor

*P. Munaswamy*  
HOD

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