



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043  
MECHANICAL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT


Name of the faculty:	<b>Dr A. Jayanth</b>	Department:	<b>ME</b>
Regulation:	<b>IARE - R16</b>	Batch:	<b>2017 - 2021</b>
Course Name:	<b>Engineering Physics Laboratory</b>	Course Code:	<b>AHS105</b>
Semester:	<b>II</b>	Target Value:	<b>60% (1.8)</b>


### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Infer the working of measuring instruments like Vernier calipers, Screw Gauge and Spectrometer for minimum deviation position.	2.00	0.00	2	Attainment target reached
CO2	Illustrate principle, working and application of wave propagation and compare results with theoretical harmonics and overtones.	2.00	0.00	2	Attainment target reached
CO3	Evaluate time constant of an RC circuit, energy gap of a semiconductor diode and rigidity modulus of wire using Hook's law.	2.00	0.00	2	Attainment target reached
CO4	Examine launching of light through optical fiber from the concept of light gathering capacity of numerical aperture and also magnetic field induction produced at various points along the axis of current carrying coil.	2.00	0.00	2	Attainment target reached
CO5	Utilize the phenomena of dispersion, interference and diffraction for the determination of various parameters like dispersive power of prism, radius of curvature of convex lens and wavelength of laser light.	2.00	0.00	2	Attainment target reached
CO6	Investigate V-I/L-I characteristics of various optoelectronic devices like Light Emitting Diode, Photodiode, solar cell to understand their basic principle of functioning	2.00	0.00	2	Attainment target reached

**Action taken report:** In this course, all the CO's are attained. So no need to take corrective actions.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Mechanical Engineering  
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HOD  
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