



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

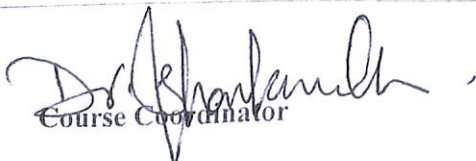
Name of the faculty:	Dr. N Shankaraiah.	Department:	CE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Modern Physics	Course Code:	AHS008
Semester:	II	Target Value:	60% (1.8)

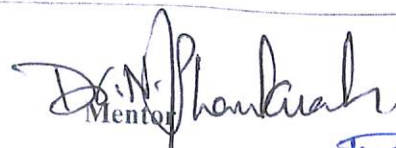
### Attainment of COs:


Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Make use of space lattice, unit cell, lattice parameters and coordination number to calculate the packing factor of different crystal structures.	2.30	2.70	2.4	Attainment target reached
CO2 Apply Braggs law of X-Ray diffraction to study different point and line defects in crystals.	3.00	2.60	2.9	Attainment target reached
CO3 Compare the concepts of Laser and normal light in terms of mechanism and working principles for applications in different fields and scientific practices.	0.90	2.60	1.2	Attainment target not reached
CO4 Utilize the importance of sensor materials in different real time applications.	2.30	2.70	2.4	Attainment target reached
CO5 Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	3.00	2.70	2.9	Attainment target reached
CO6 Interpret the phenomena of interference and diffraction by using the principles of wave motion and superposition.	1.60	2.70	1.8	Attainment target reached

### Action taken report:

CO3: Provide the more learning resources on Laser and normal light in terms of mechanism and working principles. So that students will have clear idea about the topic.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Civil Engineering  
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