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:	**2017 – 2021**
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.	1.6	2.4	1.8	Attainment target reached
CO2	Apply Braggs law of X-Ray diffraction to study different point and line defects in crystals.	3.0	2.4	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.	1.3	2.4	1.5	Attainment target not reached
CO4	Utilize the importance of sensor materials in different real time applications.	2.3	2.4	2.3	Attainment target reached
CO5	Explain functionality of components in optical fiber communication system by using the basics of signal propagation, attenuation and dispersion.	0.9	2.4	1.2	Attainment target not reached
CO6	Interpret the phenomena of interference and diffraction by using the principles of wave motion and superposition.	0.9	2.4	1.2	Attainment target not 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.
CO5: Provide the more learning resources on functionality of components in optical fiber communication system. So that students will have clear idea about the topic.
CO6: Provide the more learning resources on the phenomena of interference and diffraction. So that students will have clear idea about the topic.

Course Coordinator

Mentor

HOD

Head of the Department
Civil Engineering
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