



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. D Krishnaja	Department:	ME
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Metallurgy and Material Science	Course Code:	AME005
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall the concepts of basic crystallography and imperfections of various crystals for improving the performance of materials.	2.30	2.50	2.3	Attainment target reached
CO2	Explain the concept of phase diagram and the basic terminologies associated with metallurgy to construction and identify the phase diagrams and reactions.	1.30	2.50	1.5	Attainment target not reached
CO3	Explain the mechanical behavior of materials to provide information for product designers in selecting materials for a given application.	0.30	2.60	0.8	Attainment target not reached
CO4	Make use of the properties of materials which affect the mechanical strength and ability of a material to be molded in suitable shape.	2.70	2.40	2.6	Attainment target reached
CO5	Choose and suggest the heat treatment process and types for significance for finding force, torque and power.	0.30	2.40	0.7	Attainment target not reached
CO6	Examine features and classification of newer class material for better performance at lower cost, and less dependence on imports of strategic and critical materials.	0.30	2.40	0.7	Attainment target not reached

Action taken report:

CO2: More practice has to be given for phase diagram and reactions

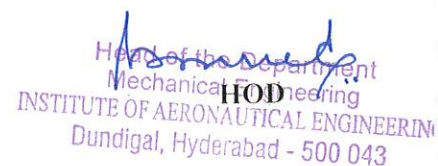
CO3: Extra tutorial hours essential to discuss mechanical behaviour of materials

CO5: More assignments have to be practiced for significance for finding force, torque and power.

CO6: More applications may be given on materials for better improvement.


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
HOD
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