



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr.CH SANDEEP	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Materials Engineering	Course Code:	AMEC07
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.	0.90	2.40	1.2	Not Attained
CO2 Identify the atomic packing factor of unit cells of various crystal structures to study the properties of materials.	0.90	2.40	1.2	Not Attained
CO3 Choose the percentage of chemical composition of various materials to determine the proportions and identity of the major oxides of materials.	3.00	2.40	2.9	Attained
CO4 Explain the concept of phase diagram and the basic terminologies associated with metallurgy to construction and identify the phase diagrams and reactions.	2.30	2.40	2.3	Attained
CO5 Experiment with the structure of materials at different levels of crystalline materials for calculating atomic packing factor and co-ordination number.	3.00	2.40	2.9	Attained
CO6 Explain features and classification of newer class material for better performance at lower cost, and less dependence on imports of strategic and critical materials.	2.30	2.30	2.3	Attained


Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO1: Assignments may be given on concepts of crystallography in finding imperfections of various crystals.

CO2: Tutorials may be conducted in solving the atomic packing factor for studying the properties of materials.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043