



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. M SUNIL KUMAR	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	MATERIALS AND MECHANICS OF SOLIDS LABORATORY	Course Code:	AMEB14
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Utilize the concepts crystallography, crystal structures, crystallographic planes, and miller indices to analyse the microstructural properties of materials.	2.00	0.00	2	Attained
CO2 Make use of the Jominy end quench test apparatus to measure the capacity of steel hardenability in depth under a given set of conditions.	2.00	0.00	2	Attained
CO3 Distinguish the regions of elasticity and plasticity, stress-strain relationships under various types of loads by conducting a tensile test on universal testing machine.	2.00	0.00	2	Attained
CO4 Analyze the mechanical properties of a material by conducting compression and torsion tests on different materials.	2.00	0.00	2	Attained
CO5 Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	2.00	0.00	2	Attained
CO6 Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	2.00	0.00	2	Attained

Action Taken:


Course Coordinator


Head of the Department


Head of the Department

Head of the Department
Mechanical Engineering
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