



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. NAVEENKRISHNA ALLA	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2022-2026
Course Name:	Materials and Solid Mechanics Laboratory	Course Code:	AMEC09
Semester:	III	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.	3.00	0.00	3	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.	3.00	0.00	3	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.	3.00	0.00	3	Attained
CO4 Analyze the mechanical properties of a material by conducting compression and torsion tests on different materials.	3.00	0.00	3	Attained
CO5 Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	3.00	0.00	3	Attained
CO6 Determine the impact strength of a material by adopting Charpy and Izod test procedures.	3.00	0.00	3	Attained

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


Course Coordinator


Mentor


Head of the Department

Head of the Department
Mechanical Engineering
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