



MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. K VISWANATH ALLAMRAJU	Department:	Mechanical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Materials and Solid Mechanics Laboratory	Course Code:	AMEC09
Semester:	III	Target Value:	60% (1.8)

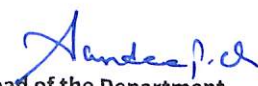
Attainment of COs:

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.	2.70	0.00	2.7	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.	2.70	0.00	2.7	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.	2.70	0.00	2.7	Attained
CO4 Analyze the mechanical properties of a material by conducting compression and torsion tests on different materials.	2.70	0.00	2.7	Attained
CO5 Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	2.70	0.00	2.7	Attained
CO6 Determine the impact strength of a material by adopting Charpy and Izod test procedures.	2.70	0.00	2.7	Attained

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


Course Coordinator


Mentor


Head of the Department
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