



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. K VISWANATH ALLAMRAJU	Department:	Mechanical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
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.	2.30	0.00	2.3	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.	2.30	0.00	2.3	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.	2.30	0.00	2.3	Attained
CO4	Analyze the mechanical properties of a material by conducting compression and torsion tests on different materials.	2.30	0.00	2.3	Attained
CO5	Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	2.30	0.00	2.3	Attained
CO6	Compare the hardness values of ferrous and non ferrous materials by conducting experiments on Rockwell and Brinell's hardness testing machines.	2.30	0.00	2.3	Attained

Action Taken:


Course Coordinator


Mentor


Head of the Department
Head of the Department
Mechanical Engineering
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