



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500 043
MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. M. Prashanth Reddy	Department:	ME
Regulation:	IARE - R16	Batch:	2017 – 2021
Course Name:	Metallurgy and Mechanics of Solids Laboratory	Course Code:	AME104
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Study the micro structure of ferrous and non ferrous materials for observing the defects in order to increase the strength of a structure/machine.	1.00	0.00	1	Attainment target not reached
CO2	Observe the microstructures of ferrous materials to investigate the novel materials for fabricating the robust products.	1.00	0.00	1	Attainment target not reached
CO3	Observe the microstructures of non ferrous materials to investigate the novel materials for fabricating the robust products.	1.00	0.00	1	Attainment target not reached
CO4	Determine the hardness number of a various metals by using the hardness test rig.	1.00	0.00	1	Attainment target not reached
CO5	Determine the modulus of elasticity and percentage of elongation along with hardness number of a various metals by using the universal test rig.	1.00	0.00	1	Attainment target not reached
CO6	Determine the modulus of rigidity and torque of a various metals for observing the shear strength in relation to angle of twist with the help of basic concepts.	1.00	0.00	1	Attainment target not reached

Action taken report:

- CO1: More experiments need to be done on ferrous and nonferrous materials for observing the defects.
CO2: Assignments may be given on microstructures of ferrous materials.
CO3: More practical to be conducted on microstructures of nonferrous materials.
CO4: More problems may be given on hardness number of a various metals.
CO5: More practical need to be done on modulus of elasticity and percentage of elongation.
CO6: More assignments need to be given on modulus of rigidity and torque of a various metals for observing the shear strength.

Course Coordinator

Mentor


Head of the Department
Mechanical Engineering
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