



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GSD MADHAV	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	MECHANICS OF SOLIDS LABORATORY	Course Code:	AAEB06
Semester:	III	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Determine the Hardness of mild steel, carbon steel, brass and aluminum specimens using Brinell's and Rockwell's hardness test for characterization of materials.	3.00	0.00	3	Attained
CO2 Analyze young's modulus of a mild steel bar for the calculation of tension using Universal testing machine	3.00	0.00	3	Attained
CO3 Determine the modulus of rigidity of a given shaft for calculating the angle of twist under torsional loading.	3.00	0.00	3	Attained
CO4 Analyze the impact strength of steel specimen using Izod and Charpy test for the characterization under suddenly applied load acting on a specimen.	3.00	0.00	3	Attained
CO5 Determine the buckling load and crushing load of long and short columns for designing structures	3.00	0.00	3	Attained
CO6 Analyze stiffness and modulus of rigidity of the spring wire for designing shock absorbers in aerospace and automobile industries.	3.00	0.00	3	Attained

#### Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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