



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. D GOVARDHAN	Department:	Aeronautical Engineering
Regulation:	IAE - R20	Batch:	2022-2026
Course Name:	Mechanics of Solids Laboratory	Course Code:	AAEC05
Semester:	III	Target Value:	60% (1.8)

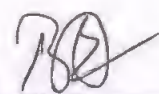
Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Examine the Hardness of mild steel, carbon steel, brass and aluminum specimens using Brinell's and Rockwell's hardness test for characterization of materials used in engineering applications.	3.00	0.00	3	Attained
CO2	Make use of stress and strains relations of mild steel materials for observing ultimate load using Universal testing machine for design of machine components.	3.00	0.00	3	Attained
CO3	Identify the modulus of rigidity of a given shaft and spring wire for designing aerospace and automobile structures under loading conditions.	3.00	0.00	3	Attained
CO4	Analyze the impact strength of steel using Izod and Charpy test for characterization under suddenly applied load.	3.00	0.00	3	Attained
CO5	Identify the buckling load and crushing load of long and short columns for designing structures subjected to different loads and boundary conditions.	3.00	0.00	3	Attained
CO6	Choose the deflection equation of simply supported and cantilever beam for determining the young's modulus to predict the behavior of the beam.	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
Aeronautical Engineering
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Dundigal, Hyderabad - 500 043