



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:	IARE - R20	Batch:	2022-2026
Course Name:	Mechanics of Solids	Course Code:	AAEC01
Semester:	III	Target Value:	60% (1.8)


Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO3	Analyze the theory of simple bending for illustrating the distribution of bending stresses across the section beams under loading.	2.30	2.20	2.3	Attained
CO5	Utilize Maxwell's reciprocal theorem, double integration method and moment area method for determining the maximum and minimum slope and deflections in beams.	2.10	2.20	2.1	Attained
CO4	Make use of the maximum shear stress and shear stress distribution across the depth of symmetric and unsymmetrical beams loaded with various loads for the safe design of aircraft components.	2.70	2.20	2.6	Attained
CO2	Illustrate the shear force and bending moment distribution in beams, for analyzing the structural behavior under various loads.	3.00	2.20	2.8	Attained
CO1	Explain the concepts of stress-strain, material constitutional relationship and strain energy induced in linear, elastic, homogeneous and isotropic materials subjected to forces.	3.00	2.20	2.8	Attained
CO6	Demonstrate the principal stresses, principal planes and torsional stresses acting on any arbitrary plane with in a structure using analytical and Mohr's circle methods.	2.10	2.20	2.1	Attained

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


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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