



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Ms. B BHAVANI	Department:	Civil Engineering
Regulation:	IARE - BT23	Batch:	2023-2027
Course Name:	Strength of Materials	Course Code:	ACED01
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Summarize the concepts of stress, strain and strain energy in conjunction with elastic properties of materials for understanding the behaviour of simple and composite bars subjected to uniaxial and biaxial stresses.	3.00	2.40	2.9	Attained
CO2 Explain the relationship between bending moment, shear force and rate of loading for understanding response of the member under external loads.	3.00	2.30	2.9	Attained
CO3 Apply the theory of simple bending to beams for computing the flexural strength and distribution of bending and shear stress across the section.	1.20	2.40	1.4	Not Attained
CO4 Develop the differential equation for elastic curve for finding slopes and deflections of determinate beams.	3.00	2.40	2.9	Attained
CO5 Illustrate the concepts of principal stresses and principal strains with the help of Mohr's circle of stresses for solving two-dimensional stress problems.	2.60	2.40	2.6	Attained
CO6 Apply the concepts various theories of failure for finding the cause of failure and to take care of it in the design.	2.20	2.30	2.2	Attained

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

CO3: Delivered step-by-step tutorials on calculating flexural strength and designing safe beam sections, ensuring students confidently apply simple bending theory to real-time structural problems.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Civil Engineering
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