



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. M MAHESWARA RAO	Department:	Structural Engineering
Regulation:	IARE - MT23	Batch:	2023-2025
Course Name:	Theory of Elastic and Plasticity	Course Code:	BSTD02
Semester:	I	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Identify the fundamental concepts of elasticity including force, stress, and strain components for understanding the mechanical behavior of materials	3.00	2.20	2.8	Attained
CO2	Identify the fundamental concepts of elasticity including force, stress, and strain components for understanding the mechanical behavior of materials	3.00	2.00	2.8	Attained
CO3	Analyze stresses, strains, and compatibility relations for boundary value problems in principal directions.	3.00	1.90	2.8	Attained
CO4	Utilize general theorems in three dimensions for analyzing stresses in structural components.	1.80	2.10	1.9	Not Attained
CO5	Analyze torsion behaviour in linearly elastic solids for structural design applications.	3.00	2.00	2.8	Attained
CO6	Differentiate between elastic, perfectly plastic, and strain hardening materials for analyzing material responses under loading.	2.40	1.90	2.3	Attained

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

CO4: Conducted a workshop on "Dynamic Analysis and Design of Seismic-Resistant Buildings for Safety" to enable students to apply three-dimensional general theorems for stress analysis in structural components under dynamic and seismic loading conditions.

Course Coordinator

Mentor

Roonya Sutha
Head of the Department
Civil Engineering
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