



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. VENU MALAGAVELLI	Department:	Structural Engineering
Regulation:	IARE - MT23	Batch:	2024-2026
Course Name:	Advanced Structural Analysis	Course Code:	BSTD01
Semester:	I	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the concepts of the static and kinematic indeterminacy of structures for analyzing the structures coursed to different loads.	3.00	2.00	2.8	Attained
CO2	Apply the concept of stiffness matrix equations in global coordinate system with boundary condition for analyzing member forces in beams and frame structures.	3.00	1.80	2.8	Attained
CO3	Analyse continuous beams coursed to different loading conditions using the flexibility method for ensuring structural efficiency.	3.00	2.50	2.9	Attained
CO4	Apply flexibility methods to plane trusses and grid structures for calculating internal forces	1.20	2.10	1.4	Not Attained
CO5	Analyse indeterminate beams and frames with different loading conditions using the Stiffness method for the design purpose.	3.00	2.50	2.9	Attained
CO6	Utilise approximate methods of analysis for frame structures to know the maximum shear forces and bending moments.	3.00	2.20	2.8	Attained

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

CO4: Assignments are given on various problems on plane trusses with different force conditions


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043.