



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## STRUCTURAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT


Name of the faculty:	Ms. B BHAVANI	Department:	Structural Engineering
Regulation:	IARE - MT23	Batch:	2023-2025
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	2.50	2.9	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	2.20	2.8	Attained
CO3	Analyse continuous beams coursed to different loading conditions using the flexibility method for ensuring structural efficiency.	3.00	2.10	2.8	Attained
CO4	Apply flexibility methods to plane trusses and grid structures for calculating internal forces	3.00	1.90	2.8	Attained
CO5	Analyse indeterminate beams and frames with different loading conditions using the Stiffness method for the design purpose.	2.40	2.30	2.4	Attained
CO6	Utilise approximate methods of analysis for frame structures to know the maximum shear forces and bending moments.	1.80	2.30	1.9	Not Attained

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

CO6: Assignments are given on various approximate methods to analyze the frames subjected to lateral loads and vertical loads.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500043