



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## STRUCTURAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GUDE RAMA KRISHNA	Department:	Structural Engineering
Regulation:	IARE - R18	Batch:	2018-2020
Course Name:	FEM IN STRUCTURAL ENGINEERING	Course Code:	BSTB11
Semester:	II	Target Value:	60% (1.8)

#### Attainment of COs:

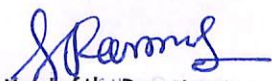
Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1 Explain the concepts of matrix analysis of structures for understanding the FEM.	0.90	2.50	1.2	Not Attained
CO2 Outline the concepts of elasticity, plane stress and plane strain conditions for the design purpose.	1.60	2.60	1.8	Attained
CO3 Analyze the one- and two-dimensional structures using beam and bar elements.	2.00	2.30	2.1	Attained
CO4 Explain the concepts of iso-parametric elements for the analysis of Structures.	1.60	2.40	1.8	Attained
CO5 Analyze the plates like slabs using plate elements.	3.00	2.30	2.9	Attained
CO6 Summarize the concepts of non-linear analysis for analyzing the real world situations	2.30	2.20	2.3	Attained

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

CO1: Organized guided problem-solving sessions where students developed element and global matrices for simple structural systems.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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