



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:	2019-2021
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.	3.00	2.50	2.9	Attained
CO2	Outline the concepts of elasticity, plane stress and plane strain conditions for the design purpose.	3.00	2.30	2.9	Attained
CO3	Analyze the one- and two-dimensional structures using beam and bar elements.	3.00	2.50	2.9	Attained
CO4	Explain the concepts of iso-parametric elements for the analysis of Structures.	0.60	2.60	1	Not Attained
CO5	Analyze the plates like slabs using plate elements.	2.30	2.40	2.3	Attained
CO6	Summarize the concepts of non-linear analysis for analyzing the real world situations	3.00	2.50	2.9	Attained

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

CO4: Arranged hands-on tutorials using MATLAB/ANSYS to model structures with iso-parametric elements and compare analytical versus numerical results.


Course Coordinator


Mentor


Head of the Department
Head of the Department
Civil Engineering
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