INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. CH VENUGOPAL REDDY**	Department:	**Structural Engineering**
Regulation:	**IARE - R18**	Batch:	**2020-2022**
Course Name:	**ADVANCED SOLID MECHANICS**	Course Code:	**BSTB02**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain theory of elasticity including strain/displacement and Hooke's law relationships for analysing the structures with in elastic range.	2.30	2.30	2.3	Attained
CO2	Develop constitutive relationships between stress and strain in linearly elastic solid for analysing the stresses in the field.	2.30	2.30	2.3	Attained
CO3	Analyze the Stresses and Strains, Strain Displacement and Compatibility Relations for Boundary Value Problems in the Principal Directions.	0.90	2.30	1.2	Not Attained
CO4	Explain the Plane Stress and Plane Strain Problems using Airy's stress Function and Two-Dimensional Problems in Polar Coordinates.	3.00	2.40	2.9	Attained
CO5	Analyze boundary value problems using Modified Galerkin Method.	1.60	2.20	1.7	Not Attained
CO6	Examine the properties of ideally plastic solids using different yield criterion.	3.00	2.50	2.9	Attained

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

CO3: Organized problem-solving sessions to compute stresses and strains under different loading conditions.

CO5: Assigned numerical exercises to practice computation of approximate solutions using the Modified Galerkin approach.

Course Coordinator **Mentor** **Head of the Department**

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