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:	**THEORY OF THIN PLATES AND SHELLS**	Course Code:	**BSTB03**
Semester:	**I**	Target Value:	**60% (1.8)**

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Analyse the analytical solutions for rectangular plates by using Navier and Levy's methods, distributed and concentrated loads	2.00	2.40	2.1	Attained
CO2	Explain Governing differential equations in polar coordinate system of a annular plate subjected to different loading conditions for the design of thin plates.	2.70	2.40	2.6	Attained
CO3	Examine the governing differential equation of rectangular plates on elastic foundations for the design of foundations.	0.30	2.50	0.7	Not Attained
CO4	Outline the general theory in bending of cylindrical shell, simplified method for analysis and design of the shells.	0.90	2.40	1.2	Not Attained
CO5	Solve the governing equation of plate bending under the combined action of in plane loading and lateral loads for the design of plates.	3.00	2.50	2.9	Attained
CO6	Examine the buckling of rectangular plates by compressive forces acting in one and two directions for the analysis of plates.	0.90	2.60	1.2	Not Attained

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

CO3: Provided numerical worksheets and assignments focused on evaluating deflections and bending moments of plates on elastic media.
CO4: Conducted classroom demonstrations explaining the fundamentals of cylindrical shell bending theory and shell geometry.
CO6: Organized guided problem-solving sessions where students evaluated critical buckling loads for rectangular plates with various boundary conditions.

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

Head of the Department
Civil Engineering
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