



# 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:	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	3.00	2.50	2.9	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.	3.00	2.40	2.9	Attained
CO3	Examine the governing differential equation of rectangular plates on elastic foundations for the design of foundations.	2.30	2.50	2.3	Attained
CO4	Outline the general theory in bending of cylindrical shell, simplified method for analysis and design of the shells.	2.10	0.00	1.7	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.	2.10	0.00	1.7	Not Attained
CO6	Examine the buckling of rectangular plates by compressive forces acting in one and two directions for the analysis of plates.	2.10	0.00	1.7	Not Attained


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


CO4: Conducted classroom lectures explaining the general theory of cylindrical shell bending, including assumptions and governing equations.

CO5: Organized step-by-step problem-solving sessions to solve plate bending equations for different boundary conditions.

CO6: Arranged tutorial discussions linking analytical buckling results with real-time plate design considerations.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering  
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