


INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING
ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PRAVEENA RAO	Department:	Structural Engineering
Regulation:	IARE - MT23	Batch:	2024-2026
Course Name:	Design of Prestressed Concrete Structures	Course Code:	BSTD26
Semester:	III	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the concept of methods of pre and post tensioning for the designing of prestressed concrete structural elements.	3.00	1.90	2.8	Attained
CO2	Determine the total prestress loss using cumulative effects of all individual loss mechanisms.	3.00	2.20	2.8	Attained
CO3	Evaluate stress distribution and kern line location using flexural analysis methods in PSC beams.	3.00	2.60	2.9	Attained
CO4	Analyze principal tension and compression stresses using fundamental shear concepts in prestressed concrete.	3.00	2.20	2.8	Attained
CO5	Design anchorage zone reinforcement for effective stress transfer in prestressed concrete members.	3.00	2.60	2.9	Attained
CO6	Apply deflection control methods and prefabrication technology concepts for effective prestressed concrete design.	2.40	2.30	2.4	Attained

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

Praveena
Course Coordinator

Danish
Mentor

Romya Suelha
Head of the Department
Head of the Department
Civil Engineering
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