



INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. PRAVEENA RAO	Department:	Civil Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Prestressed Concrete Structures	Course Code:	ACEC40
Semester:	VII	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the concept of methods of pre and post tensioning and the systems of prestressing for the designing of prestressed concrete structural elements.	3.00	2.30	2.9	Attained
CO2	Estimate the losses in the prestress and post tensioned members for the efficient design of prestressed concrete structures.	3.00	2.40	2.9	Attained
CO3	Analyse prestressed concrete structural elements subjected to flexure for the design purpose.	3.00	2.30	2.9	Attained
CO4	Design prestressed concrete structural elements subjected to shear using Indian standard code method.	2.30	2.30	2.3	Attained
CO5	Apply the concepts of transfer of prestress in pre and post tensioned members through bond for effective utilisation of prestressing force.	1.60	2.30	1.7	Not Attained
CO6	Design the composite prestressed concrete structural elements subjected to flexure and shear for designing multi storied structures.	1.60	2.40	1.8	Attained

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

CO5: Arranged case study discussions on prestressed structures (bridges, beams) to understand practical applications.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Civil Engineering
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