

**CIVIL ENGINEERING****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Mr. GUDE RAMA KRISHNA	Department:	Civil Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Prestressed Concrete Structures	Course Code:	ACEB46
Semester:	VIII	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall the concepts of stresses and strains developed within the structures subjected to different loads and their combinations for understanding the behavior of prestressed concrete structures	2.30	2.40	2.3	Attained
CO2	Explain the concept of methods of pre and post tensioning and the systems of prestressing for the designing of prestressed concrete structural elements	0.30	2.40	0.7	Not Attained
CO3	Estimate the losses in the prestress and post tensioned members for the efficient design of prestressed concrete structures	1.60	2.40	1.8	Attained
CO4	Design prestressed and post tensioned structural elements using Indian standard code method	0.90	2.40	1.2	Not Attained
CO5	Explain the concepts of transfer of prestress in pre and post tensioned members by bond and transmission length using Indian standard code method	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	0.90	2.40	1.2	Not Attained

Action taken report:**CO2:**

Giving assignments and conducting tutorials on the design concepts of a flat slab, and concrete bunkers to evaluate the loads on members and obtain reinforcement details.

CO4:

Providing more information and assignments on concepts of the design concept of concrete chimneys for calculating compressive, tensile, and flexural strengths enables the students to gain more problem-solving skills.

CO5:

Additional inputs will be provided on the design concept of circular and rectangular water tanks resting on the ground and Intz-type water tanks to obtain reinforcement details

CO6:

Conducting guest lectures on design procedures for retaining walls of cantilever and counterfort type to obtain reinforcement details.

Course Coordinator

Mentor

Head of the Department
Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043