



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. JSR PRASAD	Department:	Structural Engineering
Regulation:	IARE - R18	Batch:	2019-2021
Course Name:	DESIGN OF PRE STRESSED CONCRETE STRUCTURES	Course Code:	BSTB22
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain 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	3.00	2.20	2.8	Attained
CO2	Elucidate the concept of methods of pre and post tensioning and the systems of prestressing for the designing of prestressed concrete structural elements	3.00	2.40	2.9	Attained
CO3	Estimate the losses in the prestress and post tensioned members for the efficient design of prestressed concrete structures.	3.00	2.50	2.9	Attained
CO4	Design prestressed and post tensioned structural elements using Indian standard code method.	2.10	2.40	2.2	Attained
CO5	Summarize the concepts of transfer of prestress in pre and post tensioned members by bond and transmission length using Indian standard code method.	2.10	2.50	2.2	Attained
CO6	Design the composite prestressed concrete structural elements subjected to flexure and shear for designing multi storied structures	2.10	2.40	2.2	Attained

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


Course Coordinator


Mentor


Head of the Department
Civil Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal