INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Ms. BHUKYA VEERALAXMI**	Department:	**Structural Engineering**
Regulation:	**IARE - PG21**	Batch:	**2021-2023**
Course Name:	**Advanced Reinforced Concrete Design**	Course Code:	**BSTC15**
Semester:	**II**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the behaviour of reinforced concrete under flexure and shear for designing beams, slabs and columns under various load condition.	2.30	2.00	2.2	Attained
CO2	Explain the concepts of plastic hinge and plastic moment for understanding the redistribution of moments and moment rotation characteristics of reinforced concrete members.	1.60	2.20	1.7	Not Attained
CO3	Analyse flat and ribbed slabs under given loading for designing and obtaining the reinforcement detailing in end and middle strips of the slab.	0.90	2.50	1.2	Not Attained
CO4	Analyse the load distribution in deep beams for designing and fixing of reinforcement details in deep beams.	2.30	2.30	2.3	Attained
CO5	Develop the concept of axial, uni-axial and bi-axial loading on compression members for designing the same to meet the safety and serviceability conditions.	3.00	2.10	2.8	Attained
CO6	Analyse the soil properties for designing various types of footings for transferring the superimposed loads safely to the soil beneath.	3.00	2.20	2.8	Attained

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

CO2: Assigned problem sets involving statically indeterminate members to analyze moment redistribution using plastic analysis principles.
CO3: Presented case studies of real buildings to show reinforcement detailing in end and middle strips.

Course Coordinator | **Mentor** | **Head of the Department**

Civil Engineering
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