



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. VENU MALAGAVELLI	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2020-2024
Course Name:	Reinforced Concrete Structures Design and Drawing	Course Code:	ACEC16
Semester:	V	Target Value:	60% (1.8)


#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain the concept of Stress block parameters and use the design concept of working stress method, limit state method for designing different structural components.	2.00	2.10	2	Attained
CO2 Recall basic concepts of singly reinforced, doubly reinforced, T, L beam, material stress-strain curves, and safety factors to know the properties of concrete structure.	2.40	2.10	2.3	Attained
CO3 Explain the concept of bond, anchorage and development length and section for shear and torsion for safe designing of residential, commercial and industrial structures.	3.00	2.10	2.8	Attained
CO4 Solve design of reinforced concrete slab sections as per IS: 456-2000 for obtaining the reinforcement details in load bearing members.	3.00	2.10	2.8	Attained
CO5 Develop the concept of Axial loading uni-axial and bi-axial bending of vertically loaded members to obtain reinforcement details.	3.00	2.10	2.8	Attained
CO6 Design reinforcement structural sections for isolated, Combined footing and staircase for obtaining the reinforcement details	2.30	2.10	2.3	Attained

#### Action Taken:

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Civil Engineering  
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