



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. G. Rama Krishna	Department:	CE
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Reinforced Concrete Structures Design and Drawing	Course Code:	ACE009
Semester:	V	Target Value:	60% (1.8)

### Attainment of COs:


Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall basic concepts of reinforced concrete design, material stress-strain curves, and safety factors to know the properties of concrete structure	3.00	1.90	2.7	Attainment target reached
CO2	Explain the concept of Stress block parameters and use the design concept of working stress method, limit state method for designing different structural components	2.30	0.00	1.8	Attainment target reached
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	2.30	0.00	1.8	Attainment target reached
CO4	Design reinforcement structural sections for shear, torsion and bond for obtaining the reinforcement details	2.30	0.00	1.8	Attainment target reached
CO5	Solve singly reinforced, doubly reinforced, T, L beam and slabs sections as per IS: 456-2000 for obtaining the reinforcement details in load bearing members.	0.90	0.00	0.7	Attainment target not reached
CO6	Develop the concept of Axial loading uni-axial and bi-axial bending of vertically loaded members, isolated and Combined footing and stair case to obtain reinforcement details	2.30	0.00	1.8	Attainment target reached

### Action taken report:

CO5: Tutorial classes are conducted to solve more problems on design of different beams.

  
Course Coordinator

  
Mentor

  
HOD  
Head of the Department  
Civil Engineering  
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