



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	K. Tarun Kumar	Department:	CE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Strength of Materials - I	Course Code:	ACE001
Semester:	III	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Summarize the concept of stress and strain in conjunction with elastic properties of materials for computing tensile or compressive strength of materials.	1.60	2.30	1.7	Attainment target not yet reached
CO2	Illustrate the behaviour of simple and composite bars subjected to various applied loads for computing stress distribution across the section.	0.90	2.20	1.2	Attainment target not yet reached
CO3	Extend the concept of strain energy stored due to various external loads for computing the deflections of the member	3.00	2.30	2.9	Attainment target reached
CO4	Develop the relationship among bending moment, shear force and rate of loading for understanding response of the member under external loads.	1.70	2.20	1.8	Attainment target reached
CO5	Analyze indeterminate beams for computing shear force and bending moment under various load combinations.	2.40	2.60	2.4	Attainment target reached
CO6	Apply the concepts various theories of failure for finding the cause of failure and to the efficiency of design.	2.40	2.70	2.5	Attainment target reached


Action taken report:

CO1: Need to provide the more problems and assignments on tensile and compressive strength calculation which enables the students to gain more problem solving skills.

CO2: Need to provide the more problems and assignments on stress calculation of different cross sections which enables the students to gain more problem-solving skills.


Course Coordinator


Mentor


HOD
Head of the Department
Civil Engineering
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