



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Mr. Suraj Baraik	Department:	CE
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Strength of Materials - II	Course Code:	ACE004
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Analyze propped cantilever beams to know the shear forces and bending moments at various locations in the beam for designing propped cantilever beams.	0.90	2.30	1.2	Attainment target not reached
CO2	Develop the slope and deflection equations of fixed beams to know the behaviour of indeterminate structures for the design purpose.	3.00	2.30	2.9	Attainment target reached
CO3	Explain the concepts of clapeyron's theorem of three moments for analysing continuous beams including sinking of supports.	1.60	2.70	1.8	Attainment target reached
CO4	Make use of the behavior of structural elements under different loading conditions to tackle real time situations.	1.60	2.50	1.8	Attainment target reached
CO5	Develop the slope and deflection equations of beams subjected to different loads and their combinations using double integration and Macaulay's methods.	0.90	2.70	1.3	Attainment target not reached
CO6	Analyse the beams for slopes and deflections subjected to various load combinations with the help of Mohr's theorem, conjugate beam and moment area methods.	1.60	2.70	1.8	Attainment target reached

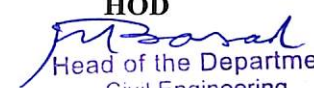
Action taken report:

CO1: Need to provide the more problems and assignments on propped cantilever beams to know the shear forces and bending moments at various locations in the beam which enables the students to gain more problem-solving skills.

CO5: Need to provide the more problems and assignments on slope and deflection equations of beams subjected to different loads and their combinations which enables the students to gain more problem-solving skills.


Course Coordinator


Mentor

HOD

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