



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. U VAMSI MOHAN	Department:	Civil Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Theory of Structures	Course Code:	ACEC07
Semester:	IV	Target Value:	60% (1.8)

#### Attainment of COs:

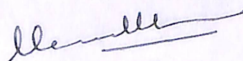
Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Analyze propped cantilevers and fixed beams using method of consistent deformation for finding the shear forces and bending moments at various locations and draw shear force and bending moment diagrams	0.60	2.20	0.9	Not Attained
CO2	Illustrate the concepts of clapeyron's theorem of three moments for solving problems on continuous beams including sinking of supports.	2.40	2.10	2.3	Attained
CO3	Develop the differential equation for elastic curve for finding slopes and deflections of determinate beams.	2.30	2.10	2.3	Attained
CO4	Analyse the trusses using method of joints and sections for computing member forces	0.00	2.10	0.4	Not Attained
CO5	Apply the concepts of energy methods for calculating deflections of simple beams and pin jointed frames.	1.00	2.10	1.2	Not Attained
CO6	Develop the expressions for critical loads and stresses using Euler's and Rankine's methods for knowing behaviour of columns and struts with different end conditions.	2.30	2.10	2.3	Attained


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

CO1: Giving assignments and solving more problems on fixed beams and propped cantilevers by method of consistent deformation and drawing shear force and bending moment diagrams.

CO4: Giving assignments and conducting tutorial classes and solving more examples on analysis of trusses by method of joints and method of sections.

CO5: Giving assignments and conducting tutorial classes and solving more examples on energy methods for finding deflections in beams and trusses.

  
Course Coordinator

  
Mentor

  
Head of the Department  
Civil Engineering

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