CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. U VAMSI MOHAN	Department:	Civil Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Theory of Structures	Course Code:	ACEC07
Semester:	IV	Target Value:	60% (1.8)
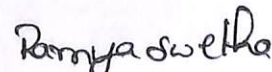
Attainment of COs:

	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	2.70	2.40	2.6	Attained
CO2	Illustrate the concepts of clapeyron's theorem of three moments for solving problems on continuous beams including sinking of supports.	2.70	2.40	2.6	Attained
CO3	Develop the differential equation for elastic curve for finding slopes and deflections of determinate beams.	2.70	2.40	2.6	Attained
CO4	Analyse the trusses using method of joints and sections for computing member forces	2.40	2.40	2.4	Attained
CO5	Apply the concepts of energy methods for calculating deflections of simple beams and pin jointed frames.	2.10	2.30	2.1	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.	2.40	2.40	2.4	Attained

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

Course Coordinator   **Mentor**   **Head of the Department**