

**CIVIL ENGINEERING****ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	Dr. U VAMSI MOHAN	Department:	Civil Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	STRENGTH OF MATERIALS	Course Code:	ACEB07
Semester:	IV	Target Value:	60% (1.8)

Attainment of COs:

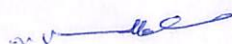
	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Summarise the concepts of stress, strain and strain energy in conjunction with elastic properties of materials for understanding the behaviour of simple and composite bars subjected to uniaxial and biaxial stresses	2.30	2.30	2.3	Attained
CO3	Apply the theory of simple bending to beams for computing the flexural strength and distribution of bending and shear stress across the section.	0.90	2.40	1.2	Not Attained
CO4	Apply the torsion equation to springs, solid and hollow circular shafts for computing torsional stiffness of springs and power transmitted by shafts.	1.70	2.70	1.9	Attained
CO5	Apply fluid pressure concepts for computing circumferential and longitudinal stresses and strains on thin walled cylindrical and spherical shells, produced by fluids stored under pressure.	2.40	2.60	2.4	Attained
CO6	Take part in developing novel concepts, which will enhance the strength and stability of structures for solving the real time problems.	0.30	2.60	0.8	Not Attained
CO2	Interpret the relationship between bending moment, shear force and rate of loading with the help of Shear force and bending moment diagrams for better understanding response of the member under external loads	1.60	2.70	1.8	Attained


Action taken report:**CO3:**

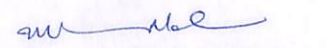
Giving assignments and conducting tutorials on tensile and compressive strength calculation enables the students to gain more problem-solving skills.

CO6:

Providing more information and assignments on concepts of stress calculation of different cross sections enables the students to gain more problem-solving skills.


Course Coordinator


Mentor


Head of the Department
Civil Engineering