

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

Name of the faculty:	Mr. S SIVA RAMAKRISHNA	Department:	Civil Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Structural Engineering	Course Code:	ACEB13
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Recall various types of arches and select appropriate arch in field applications	3.00	2.30	2.9	Attained
CO2	Make use of energy principles in the analysis of two hinged arches for computing resultant thrust and evaluating secondary stresses due to thermal and rib shortening effects	1.70	2.70	1.9	Attained
CO3	Apply the concepts of Castigliano's theorem for analysing indeterminate trusses	1.30	2.50	1.5	Not Attained
CO4	Apply the concepts of slope-deflection, moment distribution and Kani's methods for analysing continuous beam with and without support settlement	1.70	2.70	1.9	Attained
CO5	Explain the effect of rolling loads for thorough understanding of the variations in internal forces due to moving vehicular loads	0.30	2.60	0.8	Not Attained
CO6	Apply the concept of influence line diagrams for analyzing beams, bridge girders and trusses in real time problems	0.00	2.70	0.5	Not Attained

Action taken report:**CO3:**

Additional inputs will be provided on concepts of Castigliano's theorem for analyzing indeterminate trusses which enables the students to gain more problem-solving skills.

CO5:


Giving assignments and conducting tutorials on the effect of rolling loads enables the students to gain more problem-solving skills.

CO6:

Providing more information and assignments on concepts of influence line diagrams for analyzing beams, bridge girders, and trusses in real-time problems.


Course Coordinator


Mentor


Head of the Department
Head of the Department
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