



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 - R18	Batch:	2019-2023
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	0.60	2.20	0.9	Not 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	0.60	2.20	0.9	Not Attained
CO3	Apply the concepts of Castigliano's theorem for analysing indeterminate trusses	1.70	2.20	1.8	Attained
CO4	Apply the concepts of slope-deflection, moment distribution and Kani's methods for analysing continuous beam with and without support settlement	2.00	2.20	2	Attained
CO5	Explain the effect of rolling loads for thorough understanding of the variations in internal forces due to moving vehicular loads	2.30	2.20	2.3	Attained
CO6	Apply the concept of influence line diagrams for analyzing beams, bridge girders and trusses in real time problems	0.60	2.20	0.9	Not Attained

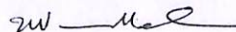
Action Taken:

CO1: Additional materials and assignments were given to understand the types and concept of arches.

CO2: Additional materials were given to understand the analysis of Arches

CO6: Providing more information and videos on concepts of influence line diagrams


Course Coordinator


Mentor


Head of the Department

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