



# 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:	2020-2024
Course Name:	Analysis of Structures	Course Code:	ACEC14
Semester:	V	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Outline about various types of arches for selecting appropriate arch in field applications.	2.40	2.30	2.4	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.	0.70	2.30	1	Not Attained
CO3	Apply the concepts of Castiglano's theorem for analysing indeterminate trusses.	1.60	2.30	1.7	Not Attained
CO4	Analyse the continuous beams using the concepts of slope-deflection, moment distribution and Kani's methods for design of rigid frames with and without side sway.	2.00	2.30	2.1	Attained
CO5	Summarize the effects of rolling loads for thorough understanding of the variations in internal forces on bridge girders due to moving vehicular loads	2.70	2.30	2.6	Attained
CO6	Apply the concept of influence line diagrams for analyzing beams, bridge girders and trusses in real time problems.	1.00	2.30	1.3	Not Attained

#### Action Taken:


CO2: Digital content, video lectures are provided to analyze arches

CO3: Additional materials and assignments are given to analyze trusses using Castiglano's theorem

CO6: various case studies and Assignments are given to understand the concepts of influence line diagrams

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Civil Engineering  
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