



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	Dr.U. Vamsi Mohan	Department:	CE
Regulation:	IARE - R16	Batch:	2016 - 2020
Course Name:	Structural Analysis	Course Code:	ACE008
Semester:	V	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Explain various types of pin-jointed frames for selecting suitable truss for use in industrial structures.	1.70	2.50	1.9	Attainment target not reached
CO2 Recall various types of arches for selecting appropriate arch in field applications	0.90	2.60	1.2	Attainment target not reached
CO3 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.	0.30	2.70	0.8	Attainment target not reached
CO4 Analyze propped cantilever, fixed beam and continuous beam by appropriate methods for computing support moments and reactions	0.60	2.50	1	Attainment target not reached
CO5 Apply the concepts of slope-deflection and moment distribution methods for analysing continuous beam with and without support settlement and frames with and without side sway.	0.90	2.60	1.2	Attainment target not reached
CO6 Apply the concept of rolling loads and influence line diagrams for analyzing beams, bridge girders and trusses in real time problems	0.00	2.70	0.5	Attainment target not reached

Action taken report:

CO2: Tutorial classes are conducted to solve more problems on three hinged arches.

CO3: Tutorial classes are conducted to solve more problems on two hinged arches.


CO4: Tutorial classes are conducted to solve more problems on propped cantilevers and fixed beams

CO5: Tutorial classes are conducted to solve more problems on continuous beams by slope deflection and moment distribution methods.

CO6: Tutorial classes are conducted to solve more problems on rolling loads and influence line diagrams..


Course Coordinator


Mentor

 **HOD**
Head of the Department
Civil Engineering
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