



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 - UG20	Batch:	2022-2026
Course Name:	Steel Structures Design and Drawing	Course Code:	ACEC23
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Recall the concepts of structural steel properties, different loads and their combinations for understanding the behavior of steel structures.	2.70	2.40	2.6	Attained
CO2	Explain the concept of limit state design, different limit states, design strengths, deflection limits and serviceability requirements for the designing of steel structural elements.	0.00	2.40	0.5	Not Attained
CO3	Design bolted and welded connections for joining two or more steel structural elements for the transfer of loads.	1.30	2.40	1.5	Not Attained
CO4	Design tension members, compression member / column, beams and girders using Indian standard code method.	0.30	2.40	0.7	Not Attained
CO5	Design eccentric connections with brackets, beam end connections, web angle and truss joints for large crane movement in industries.	0.00	2.40	0.5	Not Attained
CO6	Design of plate girders with and without stiffeners for designing bridge structures and large span beams.	1.00	2.40	1.3	Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO2: Conducted a training program on "Earthquake Resistant Design and Detailing of Steel Buildings" to strengthen understanding of limit state design concepts, design strengths, and serviceability requirements in steel structures.

CO3: Conducted remedial classes on design of bolted and welded connections with step-by-step procedures based on IS 800 provisions.

CO4: Implemented continuous assessment through quizzes and assignments to strengthen code-based design concepts and accuracy.

CO5: Provided advanced design assignments and numerical problems focusing on eccentric loading and moment-resisting connections.

CO6: Encouraged mini design projects and case studies on long-span structures to improve practical understanding and application skills.

Course Coordinator

Mentor

Head of the Department

Civil Engineering

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