# INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

# STRUCTURAL ENGINEERING

## ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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|---|---|---|---|
| Name of the faculty: | **Mr. GNV SAI TEJA** | Department: | **Structural Engineering** |
| Regulation: | **IARE - R18** | Batch: | **2020-2022** |
| Course Name: | **ADVANCED STEEL DESIGN** | Course Code: | **BSTB13** |
| Semester: | **II** | Target Value: | **60% (1.8)** |

**Attainment of COs:**

| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|---|---|---|---|---|---|
| CO1 | Learn the behavior and design of structural steel components like truss and frame structures | 0.90 | 2.50 | 1.2 | Not Attained |
| CO2 | Explain an educational and comprehensive experience in the design of simple steel structures | 0.90 | 2.40 | 1.2 | Not Attained |
| CO3 | Obtain basic knowledge about the design and failure mode of steel structural members after finished this course. | 0.60 | 2.30 | 0.9 | Not Attained |
| CO4 | Analyze wind loads on buildings and design truss bridges. | 0.90 | 2.40 | 1.2 | Not Attained |
| CO5 | Analyze and design of tower structures. | 0.90 | 2.60 | 1.2 | Not Attained |
| CO6 | Analyze and design various welded and bolted connections | 0.90 | 2.40 | 1.2 | Not Attained |

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

CO1: Conducted classroom lectures explaining the behavior of structural steel components, including trusses and frames, under various loads.
CO2: Demonstrated step-by-step design procedures following relevant codes and standards for educational understanding.
CO3: Assigned numerical exercises to reinforce learning about design and failure mechanisms.
CO4: Organized problem-solving sessions for analysis of truss bridges under wind and live loads.
CO5: Compared analytical results with software-based simulations to reinforce understanding.
CO6: Used continuous assessment to evaluate conceptual understanding and design accuracy of connections.

**Course Coordinator** **Mentor** **Head of the Department**

Head of the Department
Civil Engineering
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