



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## STRUCTURAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

|                      |                                  |               |                        |
|----------------------|----------------------------------|---------------|------------------------|
| Name of the faculty: | Dr. M MAHESWARA RAO              | Department:   | Structural Engineering |
| Regulation:          | IARE - MT23                      | Batch:        | 2024-2026              |
| Course Name:         | Theory of Elastic and Plasticity | Course Code:  | BSTD02                 |
| Semester:            | I                                | Target Value: | 70% (2.1)              |

#### Attainment of COs:

| Course Outcome |                                                                                                                                                       | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|-------------|
| CO1            | Identify the fundamental concepts of elasticity including force, stress, and strain components for understanding the mechanical behavior of materials | 3.00              | 2.60                | 2.9                | Attained    |
| CO2            | Identify the fundamental concepts of elasticity including force, stress, and strain components for understanding the mechanical behavior of materials | 3.00              | 2.10                | 2.8                | Attained    |
| CO3            | Analyze stresses, strains, and compatibility relations for boundary value problems in principal directions.                                           | 3.00              | 2.30                | 2.9                | Attained    |
| CO4            | Utilize general theorems in three dimensions for analyzing stresses in structural components.                                                         | 3.00              | 2.30                | 2.9                | Attained    |
| CO5            | Analyze torsion behaviour in linearly elastic solids for structural design applications.                                                              | 3.00              | 1.90                | 2.8                | Attained    |
| CO6            | Differentiate between elastic, perfectly plastic, and strain hardening materials for analyzing material responses under loading.                      | 3.00              | 2.20                | 2.8                | Attained    |

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

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Civil Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal, Hyderabad - 500 043.