



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

CIVIL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

| | | | |
|----------------------|-----------------------|---------------|-------------------|
| Name of the faculty: | Ms. B BHAVANI | Department: | Civil Engineering |
| Regulation: | IARE - R20 | Batch: | 2022-2026 |
| Course Name: | Strength of Materials | Course Code: | ACEC02 |
| Semester: | III | Target Value: | 60% (1.8) |


Attainment of COs:

| Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|--------------------|-------------|
| CO1 Summarize the concepts of stress, strain and strain energy in conjunction with elastic properties of materials for understanding the behaviour of simple and composite bars subjected to uniaxial and biaxial stresses. | 3.00 | 2.50 | 2.9 | Attained |
| CO2 Explain the relationship between bending moment, shear force and rate of loading for understanding response of the member under external loads | 3.00 | 2.60 | 2.9 | Attained |
| CO3 Apply the theory of simple bending to beams for computing the flexural strength and distribution of bending and shear stress across the section. | 3.00 | 2.60 | 2.9 | Attained |
| CO4 Apply the torsion equation to springs, solid and hollow circular shafts for computing torsional stiffness of springs and power transmitted by shafts. | 1.70 | 2.60 | 1.9 | Attained |
| CO5 Illustrate the concepts of principal stresses and principal strains with the help of Mohr's circle of stresses for solving two-dimensional stress problems. | 3.00 | 2.60 | 2.9 | Attained |
| CO6 Apply the concepts various theories of failure for finding the cause of failure and to take care of it in the design. | 3.00 | 2.50 | 2.9 | 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
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