



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## CIVIL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

|                      |                       |               |                   |
|----------------------|-----------------------|---------------|-------------------|
| Name of the faculty: | Dr. VENU MALAGAVELLI  | Department:   | Civil Engineering |
| Regulation:          | IARE - R18            | Batch:        | 2018-2022         |
| Course Name:         | Mechanics of Material | Course Code:  | ACEB12            |
| Semester:            | V                     | Target Value: | 60% (1.8)         |


#### Attainment of COs:

|     | Course Outcome  | Direct attainment | Indirect attainment | Overall attainment | Observation |
|-----|---|-------------------|---------------------|--------------------|-------------|
| CO1 | Recall the concepts of buckling of columns and struts under axial loading for understanding the behavior of column.   | 3.00              | 2.40                | 2.9                | Attained    |
| CO2 | Develop the expressions for critical loads and stresses for columns and struts with different end conditions using Euler's and Rankine's methods                          | 3.00              | 2.70                | 2.9                | Attained    |
| CO3 | Analyse the beams and trusses for slopes and deflections subjected to various load combinations using analytical methods  | 3.00              | 2.50                | 2.9                | Attained    |
| CO4 | Analyse the beams and trusses for slopes and deflections subjected to various load combinations using energy methods  | 2.30              | 2.70                | 2.4                | Attained    |
| CO5 | Analyse propped cantilever and fixed beams to know the shear forces and bending moments at various locations in the beam for designing propped cantilever and fixed beams | 1.60              | 2.60                | 1.8                | Attained    |
| CO6 | Explain the concepts of clapeyron's theorem of three moments for analysing continuous beams including sinking of supports   | 2.30              | 2.70                | 2.4                | Attained    |

Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department  
Head of the Department  
Civil Engineering  
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