



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

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| Name of the faculty: | Mr. S DEVARAJ | Department: | Aeronautical Engineering |
| Regulation: | IARE - R20 | Batch: | 2021-2025 |
| Course Name: | Mechanics of Solids Laboratory | Course Code: | AAEC05 |
| Semester: | III | Target Value: | 60% (1.8) |

Attainment of COs:

| Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|---|-------------------|---------------------|--------------------|--------------|
| CO1 Examine the Hardness of mild steel, carbon steel, brass and aluminum specimens using Brinell's and Rockwell's hardness test for characterization of materials used in engineering applications. | 1.60 | 0.00 | 1.6 | Not Attained |
| CO2 Make use of stress and strains relations of mild steel materials for observing ultimate load using Universal testing machine for design of machine components. | 1.60 | 0.00 | 1.6 | Not Attained |
| CO3 Identify the modulus of rigidity of a given shaft and spring wire for designing aerospace and automobile structures under loading conditions. | 1.60 | 0.00 | 1.6 | Not Attained |
| CO4 Analyze the impact strength of steel using Izod and Charpy test for characterization under suddenly applied load. | 1.60 | 0.00 | 1.6 | Not Attained |
| CO5 Identify the buckling load and crushing load of long and short columns for designing structures subjected to different loads and boundary conditions. | 1.60 | 0.00 | 1.6 | Not Attained |
| CO6 Choose the deflection equation of simply supported and cantilever beam for determining the young's modulus to predict the behavior of the beam. | 1.60 | 0.00 | 1.6 | Not Attained |

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

CO1: Additional digital content needed to be provided.

CO2: Additional digital content needed to be provided.

CO3: Additional digital content needed to be provided.


CO4: Additional digital content needed to be provided.

CO5: Additional digital content needed to be provided.

CO6: Additional digital content needed to be provided.


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
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