



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: | Dr. BODAVULA ASLESHA | Department: | Aeronautical Engineering |
| Regulation: | IARE - UG20 | Batch: | 2022-2026 |
| Course Name: | Aerospace Structures Laboratory | Course Code: | AAEC11 |
| Semester: | IV | Target Value: | 60% (1.8) |

Attainment of COs:

| Course Outcome | | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|----------------|--|-------------------|---------------------|--------------------|-------------|
| CO1 | Examine the deflection produce due to various end conditions of beams, verify maxwells reciprocal theorem, Stress-Strain curve for various materials for obtaining the minimum stress. | 2.30 | 0.00 | 2.3 | Attained |
| CO2 | Understand the flow properties of flat plate, nozzle and cylinder to demonstrate Reynolds number. | 2.30 | 0.00 | 2.3 | Attained |
| CO3 | Differentiate the flow properties around symmetrical and cambered airfoil | 2.30 | 0.00 | 2.3 | Attained |
| CO4 | Analyse the coefficient of pressure, lift, drag and moment for different bodies for different flow conditions. | 2.30 | 0.00 | 2.3 | Attained |
| CO5 | Visualize the flow around the different bodies under supersonic conditions. | 2.30 | 0.00 | 2.3 | Attained |
| CO6 | Inspect the natural frequencies of beams under free and force vibration for designing of a structure to avoid failure due to resonance. | 2.30 | 0.00 | 2.3 | Attained |

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

B. Aslesha
Course Coordinator

Mentor

Head of the Department
Aeronautical Engineering
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