



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

**AERONAUTICAL ENGINEERING**

**ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT**

Name of the faculty:	<b>Mr. GUNDA SHIVA KRISHNA</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>IARE - R20</b>	Batch:	<b>2021-2025</b>
Course Name:	<b>Aerospace Structures Laboratory</b>	Course Code:	<b>AAEC11</b>
Semester:	<b>IV</b>	Target Value:	<b>50% (1.8)</b>

**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.	0.90	0.00	0.9	Not Attained
CO2 Understand the flow properties of flat plate, nozzle and cylinder to demonstrate Reynolds number.	0.90	0.00	0.9	Not Attained
CO3 Differentiate the flow properties around symmetrical and cambered airfoil	0.90	0.00	0.9	Not Attained
CO4 Analyse the coefficient of pressure, lift, drag and moment for different bodies for different flow conditions.	0.90	0.00	0.9	Not Attained
CO5 Visualize the flow around the different bodies under supersonic conditions.	0.90	0.00	0.9	Not Attained
CO6 Inspect the natural frequencies of beams under free and force vibration for designing of a structure to avoid failure due to resonance.	0.90	0.00	0.9	Not Attained

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

- CO1: Digital content on maxwells reciprocal theorem are to be provided.
- CO2: Additional reading material on Reynolds number is to be provided.
- CO3: Additional exercises on flow properties are to be performed.
- CO4: Additional exercises on determining coefficients of flow are to be performed.
- CO5: Digital content on flow visualization under supersonic conditions are to be provided.
- CO6: Additional exercises on natural frequencies of beams are to be performed.

Course Coordinator

Mentor

Head of the Department  
Aeronautical Engineering  
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