



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. Y B SUDHIR SASTRY	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	AEROSPACE STRUCTURES LABORATORY	Course Code:	AAEB11
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.	3.00	0.00	3	Attained
CO2 Understand the flow properties of flat plate, nozzle and cylinder to demonstrate Reynolds number.	3.00	0.00	3	Attained
CO3 Differentiate the flow properties around symmetrical and cambered airfoil	3.00	0.00	3	Attained
CO4 Analyse the coefficient of pressure, lift, drag and moment for different bodies for different flow conditions.	3.00	0.00	3	Attained
CO5 Visualize the flow around the different bodies under supersonic conditions.	3.00	0.00	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.	3.00	0.00	3	Attained

#### Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department

Head of the Department  
Aeronautical Engineering  
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