



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	G Satya Dileep	Department:	Aeronautical Engineering
Regulation:	IARE - R16	Batch:	2017 - 2021
Course Name:	Aerodynamics Laboratory	Course Code:	AAE103
Semester:	IV	Target Value:	85% (1.8)

#### Attainment of COs:

	Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Demonstrate the wind tunnel calibration for different speeds and velocity and verify by using Pitot Tube of Wind tunnel.	2.4	-	2.4	Attainment target reached
CO 2	Analyse the pressure distribution of cylinder, symmetrical, and cambered airfoils at different angles of attack and flow speed by using subsonic wind tunnel.	2.4	-	2.4	Attainment target reached
CO 3	Estimate the aerodynamic forces and moments of the different models for getting aerodynamic characteristics and performance.	2.4	-	2.4	Attainment target reached
CO 4	Examine the flow behaviour of flat plate and airfoils for getting flow behaviour by using Smoke flow visualization techniques.	2.4	-	2.4	Attainment target reached
CO 5	Determine the aerodynamic drag by using wind tunnel with wake analysis probe for better aerodynamic performance.	2.4	-	2.4	Attainment target reached
CO 6	Experiment the efficiency of axial flow and centrifugal flow compressors by using test rigs for obtaining flow and pressure characteristics.	2.4	-	2.4	Attainment target reached

Action taken report: (To be filled by the concerned faculty / course coordinator)

  
Course Coordinator

  
Mentor

Head of the Department  
Aeronautical Engineering  
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