



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. YAGYA DUTTA DWIVEDI	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2019-2023
Course Name:	AERODYNAMICS AND PROPULSION LABORATORY	Course Code:	AAEB12
Semester:	IV	Target Value:	60% (1.8)


Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Demonstrate the wind tunnel calibration for different speeds and velocity and verify by using Pitot tube of Wind tunnel.	3.00	0.00	3	Attained
CO2 Analyse the pressure distribution of cylinder, symmetrical, and cambered airfoils at different angles of attack and flow speed by using subsonic wind tunnel.	3.00	0.00	3	Attained
CO3 Estimate the aerodynamic forces and moments of the different models for getting aerodynamic characteristics and performance.	3.00	0.00	3	Attained
CO4 Analyze the properties of fuels for determining the flash point, fire point and viscosity of fluids	3.00	0.00	3	Attained
CO5 Analyze the mechanical efficiency of gas turbine stages for designing futuristic gas turbine engines based on requirements	3.00	0.00	3	Attained
CO6 Estimate convective heat transfer coefficient under free and forced convection for distinguishing appropriate methods of cooling in aircraft engines.	3.00	0.00	3	Attained

Action Taken:


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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