



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. K ARUN KUMAR	Department:	Aeronautical Engineering
Regulation:	IARE - UG20	Batch:	2022-2026
Course Name:	Computational Aerodynamics Laboratory	Course Code:	AAEC32
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Choose the finite difference method at grid points of the domain for understanding discretization technique in solving fluid flow problem	3.00	0.00	3	Attained
CO2	Classify the nature of fluid flow problems for solving the governing equations using computational methods.	3.00	0.00	3	Attained
CO3	Make use of the computational methods and algorithms for obtaining solutions of fluid flow problems using ANSYS.	3.00	0.00	3	Attained
CO4	Simplify the parameters of thermo-fluid systems using simulation methods for validating numerical and experimental results.	3.00	0.00	3	Attained
CO5	Estimate the aerodynamic forces on the slender and bluff bodies for calculating the lift and drag coefficients.	3.00	0.00	3	Attained
CO6	Assess the numerical solution of fluid flow problems using discretization methods and convergence criteria for better results and minimize the errors.	3.00	0.00	3	Attained

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

Course Coordinator

Mentor

Head of the Department

Head of the Department  
Aeronautical Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
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