



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. ATHOTA RATHAN	Department:	Aeronautical Engineering
Regulation:	IARE - R18	Batch:	2018-2022
Course Name:	Computational Aerodynamics Laboratory	Course Code:	AAEB22
Semester:	VI	Target Value:	60% (1.8)

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
C01 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
C02 Classify the nature of fluid flow problems for solving the governing equations using computational methods.	3.00	0.00	3	Attained
C03 Make use of the computational methods and algorithms for obtaining solutions of fluid flow problems using ANSYS.	3.00	0.00	3	Attained
C04 Simplify the parameters of thermo-fluid systems using simulation methods for validating numerical and experimental results.	3.00	0.00	3	Attained
C05 Estimate the aerodynamic forces on the slender and bluff bodies for calculating the lift and drag coefficients.	3.00	0.00	3	Attained
C06 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:

Course Coordinator

Mentor

Head of the Department

Head of the Department  
Aeronautical Engineering  
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