



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	<b>D ANITHA</b>	Department:	<b>Aeronautical Engineering</b>
Regulation:	<b>R16</b>	Batch:	<b>2016-20</b>
Course Name:	<b>Computational Aerodynamics Laboratory</b>	Course Code:	<b>AAE109</b>
Semester:	<b>VI</b>	Target Value:	<b>80% (1.8)</b>


#### 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.	3.0	0.0	3.0	Attainment target reached
CO2	Classify the nature of fluid flow problems for solving the governing equations using computational methods.	3.0	0.0	3.0	Attainment target reached
CO3	Make use of the computational methods and algorithms for obtaining solutions of fluid flow problems using ANSYS.	3.0	0.0	3.0	Attainment target reached
CO4	Simplify the parameters of thermo-fluid systems using simulation methods for validating numerical and experimental results.	3.0	0.0	3.0	Attainment target reached
CO5	Estimate the aerodynamic forces on the slender and bluff bodies for calculating the lift and drag coefficients.	3.0	0.0	3.0	Attainment target reached
CO6	Assess the numerical solution of fluid flow problems using discretization methods and convergence criteria for better results and minimize the errors.	3.0	0.0	3.0	Attainment target reached

#### Action taken report:

  
Course Coordinator

  
Mentor

  
Head of the Department  
Aeronautical Engineering  
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