



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

## AERONAUTICAL ENGINEERING

### ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

|                      |  |               |                                 |
|----------------------|--|---------------|---------------------------------|
| Name of the faculty: | <b>Ms. D ANITHA</b>                          | Department:   | <b>Aeronautical Engineering</b> |
| Regulation:          | <b>IARE - R20</b>                            | Batch:        | <b>2020-2024</b>                |
| Course Name:         | <b>Computational Aerodynamics Laboratory</b> | Course Code:  | <b>AAEC32</b>                   |
| Semester:            | <b>VI</b>                                    | Target Value: | <b>60% (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              | 2.00              | 0.00                | 2                  | Attained    |
| CO2 Classify the nature of fluid flow problems for solving the governing equations using computational methods.  | 2.00              | 0.00                | 2                  | Attained    |
| CO3 Make use of the computational methods and algorithms for obtaining solutions of fluid flow problems using ANSYS.                                       | 2.00              | 0.00                | 2                  | Attained    |
| CO4 Simplify the parameters of thermo-fluid systems using simulation methods for validating numerical and experimental results.                            | 2.00              | 0.00                | 2                  | Attained    |
| CO5 Estimate the aerodynamic forces on the slender and bluff bodies for calculating the lift and drag coefficients.  | 2.00              | 0.00                | 2                  | Attained    |
| CO6 Assess the numerical solution of fluid flow problems using discretization methods and convergence criteria for better results and minimize the errors. | 2.00              | 0.00                | 2                  | Attained    |

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

  
Course Coordinator

  
Mentor

  
Head of the Department  
Aeronautical Engineering  
INSTITUTE OF AERONAUTICAL ENGINEERING  
Dundigal Hyderabad - 500 043