



# 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</b>	Course Code:	<b>AAE013</b>
Semester:	<b>VI</b>	Target Value:	<b>65% (1.8)</b>

#### Attainment of COs:

Course Outcome	Direct attainment	Indirect attainment	Overall attainment	Observation
CO1 Summarize the concepts of computational fluid dynamics and its applications in various industries as a tool for fluid analysis.	0.6	2.3	0.9	Attainment target not reached
CO2 Choose the type of flow from the finite control volume and infinitesimal small fluid element for the fluid flow analysis.	0.6	2.3	0.9	Attainment target not reached
CO3 Select the quasi linear partial differential equation for estimating the behavior in computational fluid dynamics.	0.9	2.3	1.2	Attainment target not reached
CO4 Identify CFD techniques for relevant partial differential equations for getting analytical solutions for fluid flow problems.	0.9	2.3	1.2	Attainment target not reached
CO5 Make use of finite difference approach for numerical formulations based on fluid mechanics and heat transfer concepts for getting approximate solutions of fluid flow problems.	0.9	2.3	1.2	Attainment target not reached
CO6 Utilize the grid generation and transformation techniques in the implementation of finite difference and finite volume methods useful in solving complex fluid and aerodynamic problems.	0.9	2.3	1.2	Attainment target not reached

#### Action taken report:

CO 1: Digital content and assignments have to be increased.

CO 2: Remedial classes have been conducted.

CO 3: Remedial classes have been conducted.

CO 4: Digital content and videos given in classes for better understanding of concept.

CO 5: Application oriented problems may be given.

CO 6: Real time application may be better for attainment.

  
Course Coordinator

  
Mentor

Head of the Department  
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HOD