INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of the faculty:	**D ANITHA**	Department:	**Aeronautical Engineering**
Regulation:	**R16**	Batch:	**2017-2021**
Course Name:	**Computational Aerodynamics**	Course Code:	**AAE013**
Semester:	**VI**	Target Value:	**65% (1.8)**

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.	2.4	2.3	2.4	Attainment target reached
CO2	Choose the type of flow from the finite control volume and infinitesimal small fluid element for the fluid flow analysis.	2.7	2.3	2.6	Attainment target reached
CO3	Select the quasi linear partial differential equation for estimating the behavior in computational fluid dynamics.	2.3	2.3	2.3	Attainment target reached
CO4	Identify CFD techniques for relevant partial differential equations for getting analytical solutions for fluid flow problems.	2.1	2.3	2.1	Attainment target 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.	2.1	2.3	2.1	Attainment target 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.	0.0	2.3	0.5	Attainment target not reached

Action taken report:

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

Course Coordinator **Mentor** **HOD**

Head of the Department
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