



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	Course Code:	AAEB20
Semester:	VI	Target Value:	60% (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 industries as a tool for fluid analysis.	2.30	2.20	2.3	Attained
CO2 Choose the type of flow from the finite control volume and infinitesimal small fluid element for the fluid flow analysis.	0.60	2.20	0.9	Not Attained
CO3 Select the quasi linear partial differential equation for estimating the behavior in computational fluid dynamics	0.90	2.20	1.2	Not Attained
CO4 Identify CFD techniques for relevant partial differential equations for getting analytical solutions for fluid flow problems.	0.90	2.20	1.2	Not Attained
CO5 Make use of finite difference approach for numerical formulations based on fluid mechanics and heat transfer concepts for getting the solutions of fluid flow problems.	1.60	2.20	1.7	Not Attained
CO6 Utilize the grid generation and transformation techniques in implementation of finite difference and finite volume methods in solving complex fluid and aerodynamic problems.	0.90	2.20	1.2	Not Attained

Action taken report:

CO2:

Digital content and videos are given in classes for a better understanding of concept.

CO3:

Extra inputs are given to enhance the knowledge.

CO4:


Additional reading materials are provided for CFD solving.

CO5:

Additional reading materials are provided to solve fluid flow problems.

CO6:

Additional reading materials are provided on solving complex aerodynamic problems.


Course Coordinator


Mentor


Head of the Department

Head of the Department
Aeronautical Engineering
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