



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT


Name of Faculty:	Dr.Bodavula Aslesha	Department:	Aerospace Engineering
Regulation:	PG-21	Batch:	2021-2023
Course Name:	Advanced Computational Aerodynamics Laboratory	Course Code:	BAEC11
Semester:	Ist Semester	Target Value:	1.8

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO 1	Apply the philosophy behind the computational fluid dynamics for recognizing flow properties in solving fluids and heat transfer problems.	2.1	0.0	2.1	Attained
CO 2	Select the structured, unstructured mesh and multi-blocking strategy in basic, complex geometries and flow domains for computing aerodynamic characteristics.	2.1	0.0	2.1	Attained
CO 3	Identify the appropriate physical boundary conditions for attaining the precise results of fluid flow over a body.	2.1	0.0	2.1	Attained
CO 4	Choose the suitable numerical modelling and schemes for computational simulations of aerodynamics and thermo-fluid problems using ANSYS.	2.1	0.0	2.1	Attained
CO 5	Analyze the numerical solution of fluid flow problems using flow visualization Software's for recognizing the flow physics in and around the supersonic intake and free jet.	2.1	0.0	2.1	Attained
CO 6	Develop the numerical code for one dimensional heat and wave equation using explicit finite difference method.	2.1	0.0	2.1	Attained

Action taken report(To be filled by the concerned faculty/ course coordinator):


Course Coordinator


Mentor


HOD-AE
Head of the Department
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