INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME – ACTION TAKEN REPORT

Name of Faculty:	Ms. D Anitha	Department:	Aerospace Engineering
Regulation:	R-18	Batch:	2019-2021
Course Name:	Advanced Computational Aerodynamics Laboratory	Course Code:	BAEB09
Semester:	I 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.	3	-	3	Attained
CO 2	Select the structured, unstructured mesh and multi-blocking strategy in basic, complex geometries and flow domains for computing aerodynamic characteristics.	3	-	3	Attained
CO 3	Identify the appropriate physical boundary conditions for attaining the precise results of fluid flow over a body.	3	-	3	Attained
CO 4	Choose the suitable numerical modelling and schemes for computational simulations of aerodynamics and thermo-fluid problems using ANSYS.	3	-	3	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.	3	-	3	Attained
CO 6	Develop the numerical code for one dimensional heat and wave equation using explicit finite difference method.	3	-	3	Attained

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

Course Coordinator

Mentor

HOD