



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. MARUTHUPANDIYAN K	Department:	Aeronautical Engineering
Regulation:	IARE - R20	Batch:	2021-2025
Course Name:	Computational Structure Laboratory	Course Code:	AAEC22
Semester:	V	Target Value:	60% (1.8)

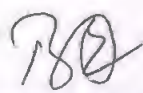
Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Explain the computational methods and Softwares that are used in aerospace fields to simulate the complex problems through ANSYS.	2.00	0.00	2	Attained
CO2	Solve the parameters like deflections, stress, strain and bending moment by using ANSYS for the linear and non-linear problems that occur in aircraft structural components (beams, bars etc.).	2.00	0.00	2	Attained
CO3	Calculate the numerical solution of static structural problems using discretization methods and convergence criteria to minimize the errors.	2.00	0.00	2	Attained
CO4	Select the appropriate heat transfer mechanism using ANSYS thermal workbench for efficient cooling of on board avionics system.	2.00	0.00	2	Attained
CO5	Predict the suitable appropriate results using governing equations for vibrational problems that occur in aircraft structural components (beams, spring-mass system)	2.00	0.00	2	Attained
CO6	Determine the nature of stress-strain distribution by using appropriate governing equations for an aircraft structural components such as wings, fuselage and landing gear.	2.00	0.00	2	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)


Course Coordinator


Mentor


Head of the Department
Aeronautical Engineering
INSTITUTE OF AERONAUTICAL ENGINEERING
Dundigal, Hyderabad - 500 043