INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. K ARUN KUMAR**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - UG20**	Batch:	**2022-2026**
Course Name:	**Aerospace Structural Dynamics**	Course Code:	**AAEC35**
Semester:	**VII**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Apply principles of mechanical vibrations such as Newton's second law, and the principle of conservation of energy to the mathematical models for obtaining their governing equations of motion.	3.00	2.20	2.8	Attained
CO2	Analyze the mathematical modeling of the two degrees of freedom systems for determining the frequency of the spring-mass system.	3.00	2.20	2.8	Attained
CO3	Solve the natural frequencies and mode shapes of a multi degree of freedom system for the numerical solution of distributed parameter systems	2.30	2.20	2.3	Attained
CO4	Apply theoretical and numerical procedures for predicting the dynamic response of continuous structural systems under the most diverse loading conditions.	0.90	2.20	1.2	Not Attained
CO5	Formulate the static aeroelasticity problems such as typical section and wing divergence problems; for their selection in real world applications.	1.60	2.20	1.7	Not Attained
CO6	Construct the mass, stiffness and damping matrices of a MDOF system	2.30	2.20	2.3	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
CO4: Conducted revision sessions on fundamentals of structural dynamics and continuous systems
CO5: Delivered focused lectures on static aeroelasticity concepts and assumptions

Course Coordinator **Mentor** **Head of the Department**

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