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

AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. V PHANINDER REDDY**	Department:	**Aeronautical Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
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.	0.60	2.20	0.9	Not Attained
CO2	Analyze the mathematical modeling of the two degrees of freedom systems for determining the frequency of the spring-mass system.	0.60	2.20	0.9	Not Attained
CO3	Solve the natural frequencies and mode shapes of a multi degree of freedom system for the numerical solution of distributed parameter systems	0.90	2.20	1.2	Not 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.	0.90	2.20	1.2	Not Attained
CO6	Construct the mass, stiffness and damping matrices of a MDOF system	0.90	2.20	1.2	Not Attained

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

CO1: Digital content on principles of conservation of energy in mechanical system is to be provided for better understanding.
CO2: Additional examples of determining frequencies of spring-mass systems are to be provided.
CO3: Digital content on solving natural frequencies and mode shapes are to provided.
CO4: Problems in predicting dynamic responses under loading conditions are to be provided.
CO5: Digital content on aeroelasticity problems is to provided for better understanding.
CO6: Additional examples on stiffness and damping matrices are to be provided for better understanding.

Course Coordinator

Mentor

Head of the Department
Aeronautical Engineering
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