AERONAUTICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Mr. GOOTY ROHAN	Department:	**Aeronautical Engineering**
Regulation:	IARE - R18	Batch:	**2018-2022**
Course Name:	Aerospace Structural Dynamics	Course Code:	**AAEB25**
Semester:	VII	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct attaiment	Indirect attaiment	Overall attaiment	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.	1.60	2.50	1.8	Attained
CO2	Analyze the mathematical modeling of the two degrees of freedom systems for determining the frequency of the spring-mass system.	0.60	2.50	1	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	2.50	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	2.50	1.2	Not Attained
CO5	Utilize the equations of transverse, longitudinal, lateral and torsional vibration of strings, rods, bars and beams using Rayleigh Ritz method for designing aircraft ribs and spars.	0.90	2.50	1.2	Not Attained
CO6	Formulate the static aeroelasticity problems such as typical section and wing divergence problems; for their selection in real world applications	0.90	2.50	1.2	Not Attained

Action taken report:

CO2:
Digital content and videos are given in classes for a better understanding of concept.

CO3:
Additional reading materials are provided.

CO4:
Extra inputs are given to enhance the knowledge.

CO5:
Digital content and videos are given in classes for a better understanding of concept.

CO6:
Additional reading materials are provided.

Course Coordinator   Mentor   Head of the Department