



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500043, Telangana

STRUCTURAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	Dr. U VAMSI MOHAN	Department:	Structural Engineering
Regulation:	IARE - MT23	Batch:	2024-2026
Course Name:	Structural Dynamics	Course Code:	BSTD14
Semester:	II	Target Value:	70% (2.1)

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Define fundamental vibration concepts and types of vibration for understanding effects of static and dynamic loading.	3.00	2.10	2.8	Attained
CO2	Illustrate the types and significance of undamped and damped harmonic excitation for analyzing steady-state response of SDOF systems.	3.00	2.50	2.9	Attained
CO3	Derive expressions of an SDOF system under periodic loading for modeling the dynamic response in real-world scenarios.	3.00	2.00	2.8	Attained
CO4	Apply Duhamel's integral for computing the time response of linear systems subjected to arbitrary dynamic loading.	2.40	2.50	2.4	Attained
CO5	Examine forced vibration principles in damped 2DOF systems for predicting dynamic behavior under external loading.	2.60	1.80	2.4	Attained
CO6	Evaluate the forced vibration response of MDOF systems for analyzing dynamic behavior under external excitations.	2.60	2.20	2.5	Attained

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

U Vamsi Mohan
Course Coordinator

M V
Mentor

Ramya Suresh
Head of the Department
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