Program: M.Tech. Structural Engineering

Semester I

Structural Dynamics

	Course Outcomes	PO/PSO	CL	Class Sessions
MSE21102.1	**Apply** the concept of Multiple degree of freedom to damped and undamped oscillating conditions.	PO1, PO2	3	9
MSE21102.2	**Analyse** the Vibration analysis technics to R.C.C Structures with IS code study.	PO1, PO2, PO3	4	9
MSE21102.3	**Formulate** the structural dynamics theory to analyse the response of single degree freedom systems and design of structure.	PO1, PO2, PO3	5	9
MSE21102.4	**Develop** the equation of motion for vibratory systems and solving for the free and forced response.	PO1, PO2, PO3	6	9
MSE21102.5	**Solve** problem on Dynamic analysis with distributed properties & loading by Energy Principle, Rayleigh-Ritz method.	PO1, PO2, PO3,	5	9

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