



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108

NAAC Accredited with A+ Grade

(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)



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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HoD(CE)