



**TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology**

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

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



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**Department of Civil Engineering**

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M.Tech Structural Engineering

**Course Name MSE1102: Structural Dynamics**

MSE1102	Course Outcomes
CO1	<b>Apply</b> the concept of Multiple degree of freedom to damped and undamped oscillating conditions.
CO2	<b>Analyse</b> the Vibration analysis technics to R.C.C Structures with IS code study.
CO3	<b>Formulate</b> the structural dynamics theory to analyse the response of single degree freedom systems and design of structure.
CO4	<b>Develop</b> the equation of motion for vibratory systems and solving for the free and forced response.
CO5	<b>Solve</b> problem on Dynamic analysis with distributed properties & loading by Energy Principle, Rayleigh-Ritz method.