



**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 Institution Affiliated to RTM Nagpur

University, Nagpur)

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## **Aeronautical Engineering Department**

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### **BAE3613: Introduction to Vibrations**

| BAE3613    | Course Outcomes  |
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| <b>CO1</b> | <b>Understand</b> the different types of vibrations and its effect on the structural integrity.  |
| <b>CO2</b> | <b>Apply</b> the concept the frequency and mode shapes corresponding to single and multi degree of freedom systems.                                    |
| <b>CO3</b> | <b>Apply</b> the concept of Single degree free and force vibration and the Methods to minimize the effects of vibration.                               |
| <b>CO4</b> | <b>Known</b> the concept of the continuous and discrete vibration systems and Analyze the Problems related to continuous vibration of beams and shafts |
| <b>CO5</b> | <b>Apply</b> the concept to design mechanical components with due Consideration of the effect of vibration.  |