



SPEAKERS



Dr. Sriram Sundar
Associate Professor



Dr. Govind Narayan Sahu
Assistant Professor

ABOUT THE COURSE

The Course will introduce participants to theoretical understanding and practical exposure in Modal Analysis, Noise, Vibration, and Harshness (NVH) measurements – a key area in automotive, aerospace and mechanical testing domains

REGISTER NOW!



Only limited seats are available

Deadline for Registration:
18th Dec 2025

WHO CAN REGISTER

This programme is open to candidates from Mechanical Engineering or equivalent streams.

1. Students: (₹6000/-*)
 - o Final-year B.E. / B.Tech / M.Tech students.
2. Staff and Faculty: (₹10,000/-*)
 - o Teaching and non-teaching staff or faculty members from academic institutions.
3. Individuals: (₹20,000/-*)
 - o Individuals and working professionals.

(* Fee including GST and other taxes)

ACCOMMODATION AVAILABILITY

Accommodation will be provided at nominal charges, subject to availability. For further details, please contact us via email.



5 - Day Training Program on

UNDERSTANDING INDUSTRIAL NVH: THEORY AND MEASUREMENT



24th – 28th
December 2025

MODULES

✓ 50% Theory and 50% Practical

M1: Basics of vibration

M2: Measurement basics

- Lab 1 - DAQ and Sensor Calibration

M3: Modal analysis

- Lab 2 - FRF Measurement
- Lab 3 - Sources of excitation
- Lab 4 - Mode shapes for 1D and 2D structures

M4: Steady-state analysis

M5: Transient analysis

M6: Frequency domain and DSP

- Lab 5 - Dynamic meas. on two-wheeler
- Lab 6 - Cam-follower steady state response

M7: Dynamics of rotating systems

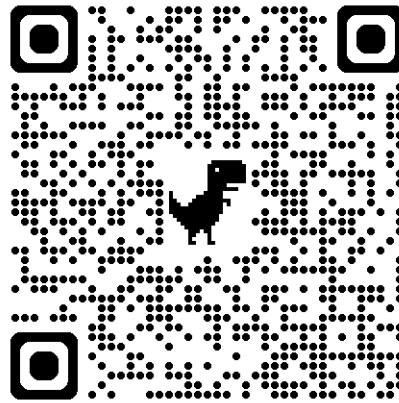
M8: Vibro-acoustics

- Lab 7 - Meas. of drum brake acoustic

M9: Harshness



SCAN FOR REGISTRATION



CONTACT US



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HIGHLIGHTS

- Solving real-world NVH problems using theory and measurements
- Mastering core modal analysis techniques
- Hands-on data acquisition and signal processing
- Practical experience with advanced sensors and software
- Perform controlled steady-state and transient analysis to characterize the system dynamics
- Understand the rotational dynamics using actual instrumentation

OUTCOMES

- Master the use of modal analysis hardware and software
- Independently perform dynamic analysis on industrial systems
- Interpret and report on dynamic test results



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