



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:
20th Sep 2026

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



**3- Day Training
Program on**

UNDERSTANDING INDUSTRIAL NVH: THEORY AND MEASUREMENT



**1st – 3rd
October 2026**

MODULES

✓ **30% Theory and 70% Practical**

M1: Vibration measurement basics

- Lab 1 - DAQ and Sensor Calibration

M2: Modal analysis

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

M3: Steady-state analysis

M4: Transient analysis

M5: Frequency domain and DSP

- Lab 5 - Dynamic meas. on two-wheeler
- Lab 6 - Measurement of drum brake acoustic



REGISTRATION

This workshop will be held in physical mode. Registration is open for students, faculty, and working professionals.

REGISTRATION PROCEDURE :

Payment confirmation and further payment-related instructions will be communicated to the participants after the registration deadline, i.e., 20 September 2026.

REGISTRATION FEE

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

1. Students: (₹4000/-*)
 - Final-year B.E. / B.Tech / M.Tech students.
2. Staff and Faculty: (₹8,000/-*)
 - Teaching and non-teaching staff or faculty members from academic institutions.
3. Individuals: (₹15,000/-*)
 - Individuals and working professionals.

(* Fee including GST and other taxes)

The cost includes training materials, lunch, and refreshments.

REGISTRATION LINK



OUTCOMES

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

CONTACT US

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