

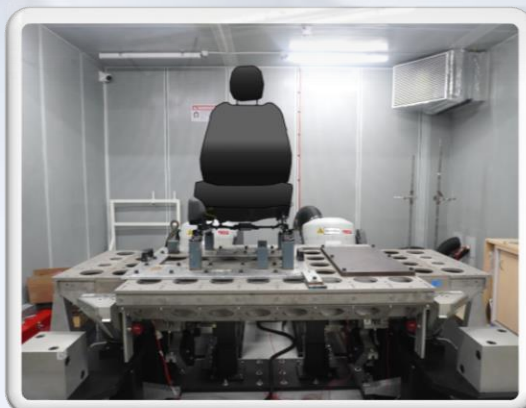
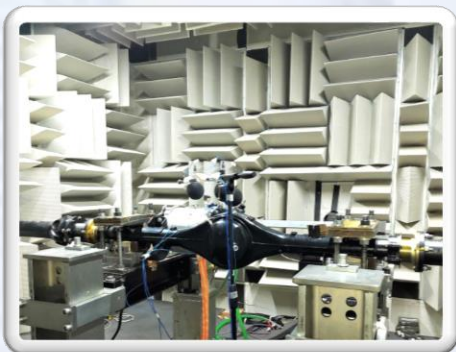
2 Days Certificate Programme on

Noise & Vibration Applications in Engineering

Date: 25th & 26th June 2026

Venue: ARAI Academy,
Chakan, Pune

Visit to
ARAI's DDC & ANDC
Facility



01 Overview:

In an era where vehicle refinement defines brand prestige, mastering Noise, Vibration, and Harshness (NVH) has evolved from a secondary engineering task to a primary architectural requirement for the automotive industry. As vehicles transition from mere transportation tools to sophisticated mobile environments, acoustic and tactile comfort, now serve as the definitive benchmarks for perceived build quality and consumer trust. This intensive two-day certificate program offers a high-fidelity roadmap for the modern engineers, addressing the "state-of-the-art" challenges posed by electric and autonomous vehicles, where the elimination of internal combustion masking brings high-frequency motor whine, tyre-road dynamics, and brake squeal into sharp relief. Participants will advance from the fundamental physics of NVH and signal analysis to demonstrations at Anechoic and Reverberation Chambers, including mitigation of Buzz, Squeak, and Rattle (BSR), modeling and simulation principles. By integrating component-level analysis with a deep understanding of global Noise Regulations and Sound Quality Design, this training empowers engineers to transform the silent cabin into a premium, vibration-isolated sanctuary, ensuring that every auditory touchpoint reflects superior engineering precision.

SPEAKERS



Dr. Kiran P. Wani
Dy. General Manager
Academy, ARAI, Pune



Dr. Milind Ambardekar
Consultant, Optimum
Vibration and Noise



Mr. Shashank Badgujar
General Manager
ARAI, Pune



Mr. Milind Kandalkar
Dy. General Manager
ARAI, Pune



Mr. Vivek
Business Development
Manager, Hexagon

* Additionally, speakers from ARAI & other Industries may be invited.

02 REGISTRATION CONTACT:

Phone: 02135-630795/90 or 02135-396695/90

Email: training.pga@araiindia.com; patil.pga@araiindia.com;

Website: <https://www.araiindia.com/services/knowledge-dissemination/upskilling-program>

Venue: ARAI Academy, ARAI-FID, B-16/1, MIDC, Chakan, Mahalunge Ingale, Maharashtra 410501

03 SCHEDULE OF THE PROGRAMME:

Day One: 25 th JUNE 2026 (Thursday)	
Start	Subject
08:30	Registration & Breakfast
9:30	Fundamentals of NVH
11:30	NVH Signal Analysis Techniques
13:00	Lunch Break
14:00	Vehicle Acoustics Modeling & Simulation
15:00	New NVH facility: Reverberation Chambers and Anechoic Chamber Demonstration
16:30	Conclusion
Day Two: 26 th JUNE 2026 (Friday)	
9:30	Component Level NVH Analysis
10:30	Controlling Vibrations and Noise of ICE Powered and Electric Vehicles
11:30	Sound Quality Analysis and Design for Six Sigma Quality of Vehicle NVH
12:30	Lunch Break
13:30	Vehicle Noise Regulations, Tyre Road Noise, Brake Squeal, High Speed Vehicle Vibrations, Buzz Squeak Rattle
15:00	Visit to Drivetrain Development Center – E Axle, NVH Testing
16:00	Online Assessment & Feedback
16:30	Conclusion

04 REGISTRATION FEES:

Registration Fees (Rs.)

Rs.10,000 + 18% GST = Rs. 11,800 (Per Participant)

10% DISCOUNT if 5 or more delegates are registered from the same organization

Limited seats for Faculty/Student with a special discount.

Who should attend:

- Noise & Vibration Engineers
- NVH/CAE/Design/Validation Engineers.
- GETs.
- Automotive and other Domain Engineers.
- Ph.D. Scholars
- Engineering college faculties & UG / PG students



05 PAYMENT INFORMATION:

Mode of Payment: Online Transaction
ARAI Pune Account No: 04470200000280
IFSC/RTGS/NEFT Code: BARB0KARVER (0=Zero)

Note: Participants from organization in SEZ must confirm the applicability for GST before making the payment.