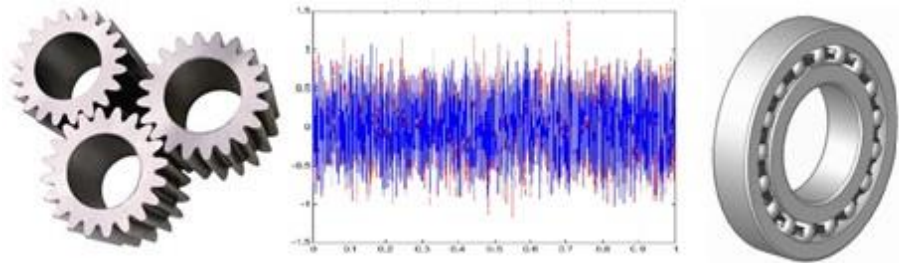


TEQIP-III Sponsored
Online Short Term Course on
**Noise and Vibration Monitoring of
Mechanical Systems**
(29-31 October 2020)



Course Coordinator
Dr. Anand Parey



Discipline of Mechanical Engineering
INDIAN INSTITUTE OF TECHNOLOGY INDORE

About this Course

Noise and vibration monitoring is very important for reliable operation of mechanical systems. Measurement and analysis of noise and vibration helps to know the condition of the machine. This technique helps in identifying fault at an early stage. This course is useful for both academia and industry personnel.

Course contents:

Vibration Monitoring: Fundamentals of mechanical vibration, vibration monitoring equipment, vibration monitoring examples, critical vibration levels.

Noise Monitoring: Basics of noise, sound loudness measurement, acoustic power, noise measurement, noise level meters etc.

Machine Condition Indicators: RMS value, peak value and crest factor, kurtosis, defect severity index.

Signal Processing: Sample rate and aliasing, time and frequency domain analysis.

Case Studies: Noise and vibration monitoring of mechanical systems.

WHO SHOULD ATTEND?

- Condition monitoring Engineer/ Maintenance Engineer/Manager/Supervisor.
- Professionals working in R & D organizations.
- Faculty from Engineering/Polytechnic colleges.
- Research scholars, post graduate and undergraduate students working in the field of noise, vibration and condition monitoring.

REGISTRATION FEE:**No registration fee for participants from TEQIP institutes**

Rs. 10,000* (for industry personnel)
Rs. 5,000* (for faculty members)
Rs. 2,000* (for students)

*including service tax

MODE OF PAYMENT:**For Online payment**

<http://www.iiti.ac.in/page/e-payments>

For Bank Transfer:

Beneficiary Name: Registrar IIT Indore

Bank Name: Canara Bank

Branch: IIT Indore, Khandwa Road, Simrol, Indore

Account number: 1476101027440

IFS Code: CNRB0006223

NUMBER OF SEATS: Limited**IMPORTANT DATES:**

The soft copy of completely filled registration form (along with Online payment slip for the course fee) should be sent to the following e-mail ID on or before **27 October 2020**.

Address for correspondence**Dr. Anand Parey****Professor**

Mechanical Engineering Discipline

Indian Institute of Technology Indore**Khandwa Road, Simrol, Indore, MP.****E-mail:** anandp@iiti.ac.in**Phone:** 09425053943(M)**REGISTRATION FORM****Name :****Designation:****Institution/Organization:****Address:****Are you a faculty member from TEQIP Institute? (Yes or No)****E-mail id:****Phone/Mobile No.:****Payment details (for participants from non TEQIP institutes)****Bank Name:****Reference ID:****Amount transferred:****Date of transaction:****Any other relevant information:****Signature of the applicant with date**