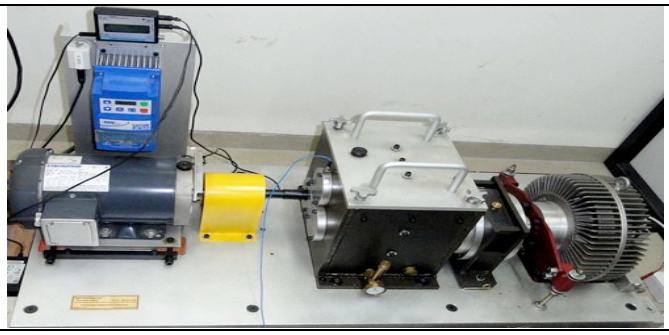

Webinar Title: "Condition Monitoring of Mechanical Systems"

Registration Fee (including GST): Rs 1000

Speaker: Dr. Anand Parey, Professor, Discipline of Mechanical Engineering, IIT Indore.

Webinar Date: 03 October 2020

Time: 11.00 AM to 1.00 PM

About Webinar:
The demand is increasing day by day for increasing the load carrying capacity, enhancing the performance and service life of mechanical systems. Failure of machines causes huge monitory losses. Fault diagnosis of mechanical systems can help in preventing the catastrophic failure thereby saving down-time and monitory losses. Various techniques are available for fault diagnosis of mechanical systems e.g. acoustic emission, wear debris analysis, thermography etc. Vibration monitoring is one of the most successful techniques used for fault detection of mechanical systems. This webinar is aimed at providing the sound fundamental knowledge to the participants on various condition monitoring techniques.

Key features:

- Basics of fault diagnosis techniques like vibration, noise, acoustic emission, wear debris analysis and thermography.
- Fault diagnosis of various mechanical systems like gearbox, bearings etc.
- Time, frequency and time-frequency domain based analysis

Speaker's Profile:
Dr. Anand Parey received his B. E. degree in Mechanical Engineering from MITS Gwalior in 1998, M. Tech. in Maintenance Engineering from MANIT Bhopal in 2001 and Ph. D. degree on "Gear Fault Diagnosis using Vibration Analysis" from Indian Institute of Technology Delhi, New Delhi, India in 2005. He served as a Lecturer at BITS Pilani, Goa Campus during 2005-2006; Postdoctoral Fellow at University of Alberta, Edmonton, Canada during 2006-2007; Manager in Crompton Greaves Mumbai and Larsen and Toubro Mumbai during 2007-2009. He joined IIT Indore in Aug 2009 as Assistant Professor in Discipline of Mechanical Engineering. Currently, he is working as Professor in IIT Indore. His research interests are in the areas of condition monitoring, mechanical systems signal processing, gear fault diagnosis and noise and vibration isolation. He has guided 6 PhDs and has done many sponsored projects, industrial consultancy and testing work in the field of condition monitoring, signal processing of mechanical systems and noise and vibration.

Contact: anandp@iiti.ac.in