

Online Faculty Development Program on
“Mechanical Vibrations, Rotordynamics and
Signal processing” sponsored by TEQIP-III



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RESOURCE PERSONS & TOPICS

The lectures in FDP will be delivered by a pool of experts on the subject from reputed academic institutions & industry.

DR. PIYUSH SHAKYA,

Assistant Professor, IIT Madras
Topic: Introduction to Sensors and how to choose a sensor with a brief discussion of Time-domain and Frequency- domain techniques for signal processing.

DR. ASHISH PUROHIT,

Assistant Professor, Thapar Institute of Engineering and Technology, Patiala
Topic: Numerical simulation of structural vibration using ANSYS/MATLAB

DR. FAISAL RAHMANI

Assistant Professor, BIT Mesra, Ranchi
Topic: Dynamics characteristics of journal bearing.

DR. JASKARAN SINGH,

Assistant Professor, Thapar Institute of Engineering and Technology, Patiala
Topic: Advances and Trends of Industry 4.0 in Industrial Big Data Environment

DR. MD ASJAD MOKHTAR,

Assistant Professor, Dept. of Mechanical Engineering, DCE, Darbhanga
Topic: Vibrations in Rotating Machinery and its Analysis

MR. R. S. MAURYA

Addl. General Manager , NTPC Lmtd.
Topic: Practical application of signal processing in power industry

TEQIP-III

sponsored



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on

“Mechanical Vibrations,
Rotordynamics and Signal processing”

from 13th to 17th July, 2020

Organized by



Department of Mechanical Engineering
Darbhanga College of Engineering
(An Institution under Dept. of Science and
Technology, Govt. of Bihar)
Mabbi, PO-Lal Sahpur, via-PTC,
Darbhanga – 846005, Bihar



ABOUT THE PROGRAM

The goal for this FDP is to provide a well- review and stimulate progress from both research institutes and industry. This FDP is intended to provide the basic insight of vibration and signal processing in different mechanical systems. This training also intends to provide the perspectives in automobile, aerospace research and energy sector. The present FDP provides a platform to exchange knowledge about the latest scientific and industry results and to discuss the latest trends and developments in signal processing in mechanical systems.

ABOUT DARBHANGA COLLEGE OF ENGINEERING

Darbhanga College of Engineering (DCE Darbhanga) is a government owned engineering college in Bihar, India, inaugurated by honorable Nitish Kumar (chief minister of Bihar) established in 2008. It is affiliated to the Aryabhatta Knowledge University (AKU), Patna. It has four branches of Engineering at UG level viz. Computer Science and Engineering, Civil Engineering, Electrical and Electronics Engineering, and Mechanical Engineering.

ELIGIBILITY

The programme is open to all members of AICTE/UGC affiliated Institutes/Universities i.e. Faculty Members, Research Scholars, and engineers from industries.

OBJECTIVES OF THE FDP

To provide a platform to exchange knowledge about the latest scientific and industry results and to discuss the latest trends and developments in vibration and signal processing. Also motivate the researcher for the future scope in this field.

HOW TO REGISTER

FDP is sponsored by TEQIP-III scheme under NPIU MHRD. The registration for the program shall be completed through online registration process. The link for online registration for the FDP: -

https://docs.google.com/forms/d/e/1FAIpQLScOD7S06U8pQ_GO5CFtcGBwkDI8ypOg3Em1x5QiVJ40BKaqpg/viewform?usp=sf_link

There is no registration charge for the FDP.

The E-certificate will be given to all active participants.

TOPICS TO BE COVERED

The FDP that aims to provide a platform for studying:

- 1.Vibration in Mechanical System
- 2.Signal Processing
- 3.Recent trends in vibration analysis and uses of various signal processing techniques.
- 4.Exposure in choosing suitable sensors for vibration measurement.
- 5.Rotordynamics.
- 6.Importance of bearing vibrations in rotating machinery

ONLINE MEDIA

The FDP will be conducted on-line through Webex platform. The link will be shared with all the participants and uploaded on the institute website.

CONTACT FOR FURTHER INFORMATION

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