

## DARBHANGA COLLEGE OF ENGINEERING, DARBHANGA

(under Department of Science and Technology, Govt. of Bihar)

### Five-day Faculty Development program on Mechanical Vibration, Rotordynamics and Signal Processing

13-17 July, 2020

Organized by Department of Mechanical Engineering, Darbhanga College of Engineering, Darbhanga

#### SCHEDULE

**Day 01:** 13-07-2020

Inaugural sessions: 9:30 to 10:00 AM

Inaugural remarks by **Padma Shri, Shri Manas Bihari Verma**

Welcome address by **Prof. Achintya**, Principal, DCE, Darbhanga

#### Date-wise sessions

Date	Sessions	Speaker	Topic
13-7-2020	S1: 10:00 – 11:30 AM S2: 12:00 – 1:30 PM	<b>Dr. Jaskaran Singh</b>	<i>Advances and Trends of Industry 4.0 in Industrial Big Data Environment.</i>
14-7-2020	S3: 10:00 – 11:30 AM S4: 12:00 – 1:30 PM	<b>Dr. Piyush Shakya</b>	<i>Brief discussion of Time-domain and Frequency-domain Techniques for signal processing in sensor selection.</i>
15-7-2020	S5: 10:00 – 11:30 AM S6: 12:00 – 1:30 PM	<b>Dr. Ashish Purohit</b>	<i>Numerical simulation of structural vibration using ANSYS/MATLAB.</i>
16-7-2020	S7: 10:00 – 11:30 AM S8: 12:00 – 1:30 PM	<b>Dr. Faisal Rahmani</b>	<i>Dynamics characteristics of journal bearing.</i>
17-7-2020	S9: 10:00 – 11:30 AM S10: 12:00 – 1:00 PM	<b>Mr. R S Maurya</b>	<i>Practical application of signal processing in power industry.</i>
	S11: 1:00 – 2:00 PM	<b>Dr. M A Mokhtar</b>	<i>Vibrations in Rotating Machinery and its Analysis.</i>

**Day 05:** 17-07-2020

Concluding remarks by **Dr. M A Mokhtar**, TEQIP Coordinator, DCE, Darbhanga