

## Darbhanga College of Engineering, Darbhanga

### Speakers profile for FDP on Mechanical Vibrations, Rotordynamics and Signal Processing

#### **Dr. Piyush Shakya**

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Dr. Piyush Shakya is an Assistant Professor in the Department of Mechanical Engineering in IIT Madras. He received his Ph.D. from the IIT Delhi in 2015. Before joining Ph. D, he worked as "Member R&D" in TVS motor from 2006 to 2010. He has also worked as Research Fellow in Vibration Diagnostics & Prognostics / Digital Signal Processing at Centre for Cyberphysical Systems, School of Aerospace, Transport and Manufacturing, Cranfield University, U.K. His research interests include structural health monitoring, fault diagnosis and prognosis, machine elements, and signal processing. He has been PI/Co-PI of 3 Projects (total 3.60 Crores) sponsored by DST, DHI, and HAL. He is also a core group member of the Advanced Manufacturing Technology Development Centre (AMTDC), a Center of Excellence on Machine Tools and Production Technology funded by the Department of Heavy Industries.

#### **Dr. Ashish Purohit**

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Dr. Ashish Purohit is assistant professor in Mechanical Engineering Department at Thapar Institute of Engineering & Technology, India. He received his PhD from Indian Institute of Technology Delhi, in 2016, Master's degree in Machine Design from the Department of Mechanical Engineering, Indian Institute of Technology Delhi in 2008 and Bachelors from Govt. Engineering College, Ujjain in 2001. He has 5 years of research and industrial work experience. He works in a general area of mechanical vibration, flow induced vibration and general acoustics with the focus of effect of flow variation on the level of vibration and corresponding acoustic generation. He is also working in the field of architectural acoustic, acoustical designing of rooms, lecture hall, auditorium etc.

#### **Dr. Faisal Rahmani**

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**Faisal Rahmani** completed Doctor of Philosophy in Mechanical Engineering from IIT Delhi in 2018. He obtained M. Tech in Engineering Mechanics from IIT Delhi in 2007 and **B.Tech** in Mechanical Engineering from Aligarh Muslim University in 2005. He worked as Deputy Manager – R&D in ACME Telepower Limited, Gurgaon for more than two years. He worked as Assistant Professor in the Department of Mechanical Engineering, Galgotia's College of Engineering and Technology, Greater Noida. Currently, he is working as Assistant Professor in the Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi. He has more than 12 years of total experience in Industry, Research, and Academics. His area of research includes Journal bearings, Vibrations, and Rotordynamics. He is an active reviewer of journals like Mechanism and Machine theory, Industrial Lubrication and tribology, etc.

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Mr. R S Maurya is currently working as Additional General Manager, NTPC Limited. He received his Master degree in Power Distribution from the Department of Electrical Engineering, Indian Institute of Technology Delhi and Bachelor's degree from Delhi Engineering College, New Delhi. He has more than 25 years of industry experience where he does a lot of research in condition Monitoring and vibrational analysis.

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Dr. Jaskaran Singh is currently an Assistant professor in the Mechanical Engineering Department of Thapar Institute of Engineering and Technology Patiala (TIET). He received his B.E in Mechanical Engineering from Thapar University in 2011. He received his Master's Degree in Design Engineering from the IIT Delhi in 2013. He received his Ph.D. from the Department of Mechanical Engineering, IIT Delhi in 2018. After his PhD, he worked as a post-doctoral fellow at the NSF I/UCRC for Intelligent Maintenance Systems (IMS) at the Dept. of Mechanical and Materials Engineering at the University of Cincinnati (USA). Later, he was appointed as an Adjunct Assistant Professor in the College of Engineering and Applied Science in the University of Cincinnati (USA). During his tenure in the University of Cincinnati, he has collaborated closely with industrial company members worldwide for example Example clients with whom he has worked on projects include P&G, Pratt & Whitney Canada, Mitsubishi Electric, Mazak Corporation, etc. and delivered advanced analytic tools for improving efficiency and productivity of enterprises. His current research areas are: Big data analysis, Machine learning, deep learning, signal processing.

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