Faculty Profile

Name:	**Dr. T. Govardhan**
Designation:	Assistant Professor
Teaching Areas:	Kinematics and Dynamics of Machinery, Control of Dynamic Systems Mechanics of Solids
Research Interests:	Vibration based condition monitoring ofMachinery.
Education:	Ph.D., Sir Padampat Singhania University, Udaipur,2017
	M.E., Osmania University, Hyderabad,2004
	B.Tech., J.N.T.U. Hyderabad, 1999

Professional Experience: (Total 20 years)

1. Jan., 2019 to till date: Assistant Professor, Dept. of Mech. Engg., FST, IFHE,HYD.
2. June 2017 –Dec., 2018: Associate Professor, Dept. of Mech. Engg., B.I.E.T.,HYD.
3. Jan., 2011 – March., 2017: Associate Professor, Sir Padampat Singhania University.
4. July, 2008 –Dec., 2010: Faculty Member, ICFAI University, Hyderabad and Dehradun.
5. Oct., 2004 –July,2008: Associate Professor, Dept. of Mech. Engg., T.K.R.C.E.T.,HYD.
6. Dec., 2000 – Sept., 2004: Assistant Professor, Dept. of Mech. Engg., S.C.E.T.,HYD.

Research / Selected Publications:

1. **Tingarikar Govardhan** and Achintya Choudhury, Amplitudes of components in vibration spectra of rolling bearings with localized defects under harmonic loads, Journal of Vibration and Control, SAGE,2020 https://doi.org/10.1177/1077546320945459**(SCIindexed)**
2. **T. Govardhan** and Achintya Choudhury, Fault Diagnosis of Dynamically Loaded Bearing with Localized Defect based on Defect Induced Excitation, Journal of Failure Analysis and Prevention, Springer, 19(3) pp.844-857, (2019). **(SCOPUS and WoSindexed)**
3. **T. Govardhan,** Achintya Choudhury and Deepak Paliwal, Numerical Simulation and Vibration Analysis of Dynamically loaded Bearing with defect on Rolling element, *International Journal of Acoustics and Vibrations,* 23(3) pp.332-342, (2018). (**SCIE indexed)**
4. **T. Govardhan**, Achintya Choudhury and Deepak Paliwal, Vibration Analysis of a Rolling Element Bearing with Localized Defect under Dynamic Radial Load, Journal of Vibration Engineering and Technologies. 5(2) pp. 167-177, (2017). **(SCIE indexed)**
5. **T. Govardhan**,AchintyaChoudhury and Deepak Paliwal, Vibration Analysis of Dynamically Loaded Bearing with Distributed defect Based on Defect induced Excitation, International Journal of Dynamics and Control, Springer. 6(2) pp. 499-510, (2017). **(SCOPUS indexed)**
6. D. Paliwal, A. Choudhury, and **T. Govardhan,** Detection of Bearing Defects from Noisy Vibration Signals using A Coupled Method of Wavelet Analysis followed by FFT Analysis, Journal of Vibration Engineering and Technologies. 5(1) pp. 21-34, (2017). (**SCIE indexed)**
7. Deepak PALIWAL, AchintyaChoudhury, **T. Govardhan**, Identification of faults through wavelet transform vis-à-vis fast Fourier transform of noisy vibration signals emanated from defective rolling element bearings, Front. Mech. Eng., Springer,9(2), pp. 130-141, (2014) **(SCIE indexed)**
8. D. Paliwal, A. Choudhury, and **T. Govardhan**, Simulation of vibration signal generated by a defective rolling element bearing, International Journal of Engineering Systems Modeling and Simulation, 8(4) pp. 284 – 294, (2016). **(SCOPUS and WoSindexed)**