

Biography

Dr. Ramchandra G. Desavale earned his Ph.D. from NIT Warangal in 2014 and Masters in 2001 from Rajarambapu Institute of Technology, Rajaramnagar in Mechanical Engineering. He joined RIT Rajaramnagar as a faculty in the year 2017.

His primary research interests are in the areas of Multi-body Dynamics, Bearings, Noise and Vibration. His focus is on mathematical formulation and analytical solution of problems in dynamics and acoustics. He has made significant research contributions on the rotor-bearing characteristics of rotating machines.

Awards and Honors

1. Won “Par-Excellence” award at N.C.Q.C., IIT-Kanpur for Quality Circle entitled- Assured
2. *Chief- Editor*-for DNYANADA-2009, 1st Prize in SU Kolhapur
3. Excellence in Teaching Award-for PG, ADCET-Ashta 2016

Reviewer of the International Journals

1. **ASME Journal** on *Tribology*- ASME Journal which is very prestigious in Mechanical Engineering field.
2. Journals on ‘*Mathematical and Computer Modelling of Dynamical Systems*’, **Taylor and Francis**’ Journals which are very prestigious in mechanical engineering field.
3. **SAGE Journal** on Advances in Mechanical Engineering.

Selected Publications

- 1) Desavale, R. G., Jadhav, P.M., and Kanai, R. A., 2009, “Theoretical and Experimental analysis of cantilever type main system to which multi-mass parallel and series Tuned DVA’s are attached”, *Journal of The Institution of Engineers (India)-Mechanical Engineering Division* 30, PP.-30-35.
- 2) Desavale, R. G., Venkatachalam, R. and Chavan, S. P. 2013, “Antifriction Bearings Damage Analysis Using Experimental Data Based Models”, *ASME J. of Tribology*, 135 (4), pp. 041105-041105-12.
- 3) Desavale, R. G., Venkatachalam, R. and Chavan, S. P. 2014, “Experimental and Numerical Studies on Spherical Roller Bearings Using Multivariable Regression Analysis”, *ASME J. of Vib. Acoust.*, 136(2), pp. 021022-021022-10.
- 4) Desavale, R. G., Kanai, R. A., Venkatachalam, R., Chavan, S. P. and Jadhav, P. M., 2015, “Vibration Characteristics Diagnosis of Roller Bearing Using the New Empirical Model”, *ASME J. of Tribology*, 138(1), pp. 011103-011103-9.
- 5) Desavale, R. G., Kanai, R. A. and Chavan, S. P., 2016, “Experimental-Based Fault Diagnosis of Rolling Bearings Using Artificial Neural Network”, *ASME J. of Tribology*, 138(3), pp. 031103-031103-9.
- 6) Desavale, R. G. and Mali, Asmita. R., 2016, “Detection of Damage of Rotor-Bearing Systems using Experimental Data Analysis”, *Elsevier Procedia Engineering*, vol., 144, pp. 195-201.

- 7) Desavale, R. G. and Salunkhe, V. G., 2016, "Damage Detection of Roller Bearing System Using Experimental Data", *Elsevier Procedia Engineering*, vol., 144, pp. 202 – 207.