

Faculty Profile

Dr. Rupesh Vasudeo Bhortake

M.Tech. (Production- Mfg Engg. & Automation)

Ph.D. (Mechanical Engineering)

Professor,

Department of Mechanical Engineering



Areas of Interest

Noise and Vibration, Design, Rapid Prototyping and Dynamics of Machinery

Academic / Industrial Experience

- Academic Experience : 21 yrs
- Industrial Experience : - Nil
- Research Experience: - 04 yrs

Research

- Completed **Ph.D.** from **North Maharashtra University, Jalgaon, Maharashtra** with topic, "*Statistical Modeling for Noise and Vibration of a Ceiling Fan*" in October 2015.
- **Publications** : a. International Journals: 08
b. International Conference: 03
c. National Conference: 02

Selected Publications

- [1].Rupesh V. Bhortake and, Dr. Bimlesh Kumar,. "An Approach to Establish Correlation of dependent and independent variables of Ceiling Fan for the analysis of Vibration." *Proceedings of 3rd Elsevier International Conference on Recent Trends in Engineering & Technology (ICRTET'2014)*. Chandwad, Nashik: Elsevier, 2014. 487-492.
- [2].Rupesh V. Bhortake and, Dr. Bimlesh Kumar,. "Ceiling Fan Vibration Analysis Response Surface Method." *International Journal of Research in Engineering and Advanced Technology (IJREAT)*, June-July 2014: 01-10.
- [3].Rupesh V. Bhortake and, Dr. Bimlesh Kumar,. "Experimental Analysis of Vibrations in Ceiling Fan." *International Journal Of Emerging Trends In Engineering And Development (IJETED)*, July-August 2014: 326-335.
- [4].Rupesh V. Bhortake and, Dr. Bimlesh Kumar,. "Experimental and Theoretical Approach of Generalized Empirical Data Based Model of Noise in Ceiling Fan." *International Journal of Acoustics and Vibration (IJAV)*, 2014. (SCOPUS)

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- [5].Rupesh V. Bhortake and, Dr. Bimlesh Kumar,. “Review of Noise Reduction and Vibration Reduction Methods for Fans.” *International Journal of Innovation in Mechanical and Automobile Engineering (IJIMAE)*, September-2011: 40-48.
- [6].Rupesh V. Bhortake, et.al,. “Experimental Analysis of Air Delivery in Ceiling Fan.” *International Journal of Emerging Technology and Advanced Engineering (IJETAE)*, June 2014: 247-251.
- [7].Rupesh V. Bhortake, et.al,. “Enhancement of tube and tube heat exchanger with semispherical hollow baffle for counter flow.” *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM, Kuala Lumpur, Malaysia)*, March 2016 (SCOPUS)
- [8].Rupesh V. Bhortake, et.al,. “Experimental analysis of energy consumption in ceiling fan” *Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM, Detroit, U.S.A.)*, September 2016 (SCOPUS)

Professional Affiliations

- Life Member, Indian Society for Technical Education (ISTE)
- Associate Member, Institution of Engineers
- Member, International Association of Engineers (IAENG)

Awards and Recognitions

- Award for Best Social work in the field of Education by Pune Municipal Corporation
- Best Track Paper Award-2016 IEOM Detroit Conference, U.S.A.

Other Responsibilities

- Subject Expert on UGC Panel for Regular Selection Committee and Local Selection Committee
- Recognition as a Post-Graduate Teacher in Mechanical Engineering of SPPU, Pune
- External Examiner, M.E. Viva-voce Exam at NMU, Jalgaon and Mumbai University.
- Coordinated and Participated in many Conferences, Workshops and Seminars
- LIC member - SPPU panel