

## BHANDARE RAMESH VASANT

Assistant Professor

Dept. of Mechanical Engineering,

K K Wagh Institute of Engineering Education and Research, Nashik, Maharashtra.

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### Teaching Experience- 14 years 4 Months

#### SCHOLASTICS

- 2022 Pursing **Ph. D.** in Mechanical Engineering from Veermata Jijabai Technological Institute (VJTI), Mumbai.
- 2014 **M. Tech. in Machine Design** from Veermata Jijabai Technological Institute (VJTI), Mumbai, Maharashtra with CPI – 8.8.
- 2009 **B.E. in Mechanical Engineering** from Sir Visveswarya Institute of Tecnology, Chicholi, Nashik, Maharashtra with 70.50 % (1<sup>st</sup> Class with Distinction).
- 1999 **Diploma in Mechanical Engineering** from Govt. Polytechnic Nashik, Maharashtra with 74.00 % (1<sup>st</sup> Class with Distinction).

#### EXPERIENCE

- Organisation** : K K Wagh Institute of Engineering Education and Research, Nashik. (Pune University)
- Designation** : Assistant Professor
- Duration** : (2<sup>nd</sup> Jan. 2010 to till date)
- Responsibility** : Subject Taught in academic (Engineering Graphics – I, Machine Design – II, Tribology, Design of Machine Elements – II, Mechanical System Design), Departmental NAAC Co-ordinator, Departmental Exam Co-ordinator, Project and Seminar Guide of B.E. students.

#### RESEARCH PUBLICATIONS

##### Paper Published In Journals/Conferences:

Ganesh Rayjade, Amit Bhagure, Prashant B Kushare, **Ramesh Bhandare**, Vilas Matsagar and Ashitosh Chaudhary, publish paper in **Journal of Vibration and Control, SAGE Publications** on “Performance evaluation of machine learning algorithms and impact of activation functions in artificial neural network classifier for bearing fault diagnosis”.

**R. V. Bhandare**, S. P. Mogal, V. M. Phalle and P. B. Kushare, publish paper in **TRIBOLOGIA - Finnish Journal of Tribology** on "Fault Diagnosis and Prediction of Remaining Useful Life (RUL) of Rolling Element Bearing : A review state of art"

**Ramesh Bhandare**, Ganesh Rayjade, Dr. Vikas M. Phalle, and Dr. P B Kushare, Journal Misalignment and Its Influence on Performance of Hydrodynamic Journal Bearing, 2nd International Conference & Exposition on Advances in Mechanical Engineering (ICAME-2022), June 23-25, 2022, College of Engineering Pune [COEP], Pune

**Ramesh V. Bhandare**, Amit D. Bhagure, Dr. P. B. Kushare, Experimental Investigation of Multi-Lobe Hydrodynamic Journal Bearing, an International Conference on Tribology, INDIATRIB-2019, **IISc Bangalore, Dec 1-4, 2019.**

Shivani S. Shahane, Nikita S. Rasate, Dhanashree D. Rane, Priya D. Chakor, **Ramesh V. Bhandare**, To Analyse Effect of Various Parameters on Pipe while Bending, an International Conference on Tribology, TRIBOINDIA-2018, **VJTI, Mumbai, Dec 15, 2018.**

**Ramesh Bhandare**, Dr. Vikas Phalle, A K Gangrade, To Investigate Effect of Misalignment on the Performance of Hydrodynamic Journal Bearing, National Tribology Conference 2016 (**NTC 2016**), **IIT (BHU)**, Varanasi, India, **Dec 8-10, 2016.**

**Ramesh Bhandare**, M R Pardeshi, Performance of Misaligned Hydrodynamic Journal Bearing in Turbulent Reigme, International Conference on Advances in Tribology (**ICAT 14**), Mechanical Engineering Department, **NIT Calicut**, Kerala, India, **Feb 21-24, 2014.**

**Ramesh Bhandare**, Dr. Vikas Phalle, A K Gangrade, Influence of Journal Misalignment on the Performance of Hydrodynamic Journal Bearing System, International Conference on Advances in Materials and Product Design (**AMPD 2015**), **SVNIT, Surat**, Gujrat, India, **Jan 10-11, 2015.**

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#### **WORKSHOPS/FDP/STTP/SEMINARS**

**(Organized and Attended)**

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- ⇒ Attended one weel ATAL FDP on ‘**Digital Twin Based Predictive Maintenance Approach for Industry 4.0 Using Machine Learning Techniques**’, VJTI, Mumbai, **04<sup>th</sup> – 09<sup>th</sup> Dec. 2023.**
- ⇒ Organised a one week Faculty Development Program on ‘**CFD using ANSYS Fluent and Multibody Dynamics**’, Department of Mechanical Engineering, K K Wagh Initute of Engineering Education and Research, Nashik, **13<sup>th</sup> - 17<sup>th</sup> Mar. 2023.**
- ⇒ Attended ISTE approved STTP on ‘**Role of Artificial Intelligence, Machine Learning & Data Science in Emerging Trends of Mechanical Industries**’ organised by Zeal College of Engineering & Research, Pune, **23<sup>rd</sup> - 30<sup>th</sup> Jan. 2023.**
- ⇒ Organised a one week Faculty Development Program on ‘**Vibration Measurement and Analysis: Recent Trends and Techniques**’, Department of Mechanical Engineering, K K Wagh Initute of Engineering Education and Research, Nashik, **1<sup>st</sup> - 5<sup>th</sup> Nov, 2023.**

- ⇒ Organised a one day workshop on **‘Role of Condition Monitoring for Industry 4.0’**, Department of Mechanical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, **2<sup>nd</sup> Oct. 2021.**
- ⇒ Participated in AICTE-ISTE approved Orientation/Refresher Programme on **“Introduction to Moodle for Teaching Learning Process”** organized by K. K. Wagh Polytechnic College, Nashik, **17<sup>th</sup> 2021 to 22<sup>nd</sup> May 2021.**
- ⇒ Participated in Three days online national level FDP on **“Innovative Teaching-Learning Methods”**, organised by KBT College of Engineering, Nashik, **11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> May 2021.**
- ⇒ Organised Two Days State Level Workshop on **‘Role of Condition Monitoring for Industry 4.0’**, in association with IET, Department of Mechanical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, **28<sup>th</sup> & 29<sup>th</sup> Dec. 2019.**
- ⇒ Organised One Day Workshop on **‘Vibration-Based Health Monitoring of Mechanical Systems’**, in association with IET, Department of Mechanical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, **10<sup>th</sup> Oct. 2019.**
- ⇒ Organised Two Days State Level Workshop on **‘Condition Monitoring and Fault Diagnosis’**, in association with IET, Department of Mechanical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, **28<sup>th</sup> & 29<sup>th</sup> Dec. 2018.**
- ⇒ Organised Two Days State Level Workshop on **‘Recent Trends Design and Practices’**, sponsored by Savitribai Phule Pune University, Department of Mechanical Engineering, K K Wagh Institute of Engineering Education and Research, Nashik, **27<sup>th</sup> & 28<sup>th</sup> January 2017.**
- ⇒ Attended One day Workshop under TE-QIP-II on **‘Internet of Things’** Conducted by Veermata Jijabai Technological Institute (VJTI), Mumbai, **8<sup>th</sup> Jan. 2016.**
- ⇒ Participated in One day workshop **‘Revision of BE Mechanical Syllabus (2012 Course) of Savitribai Phule Pune University’**, organised by Mechanical Engineering Department, GES’s R H Sapat College of Engineering, Management Studies & Research, Nashik, **19<sup>th</sup> Mar. 2015.**
- ⇒ Attended One week STTP under QIP on **‘Modeling and Simulation Dynamical Systems’** at **IIT Roorkee, 30<sup>th</sup> Dec. 2013 – 4<sup>th</sup> Jan. 2014.**
- ⇒ Attended AICTE sponsored One week STTP on **‘Advanced Machine Design’** organised by Mechanical Engineering Department, Veermata Jijabai Technological Institute (VJTI), Mumbai, **2<sup>nd</sup> – 6<sup>th</sup> Dec. 2013.**
- ⇒ Attended AICTE sponsored Two weeks staff development programme on **‘Recent Advances in manufacturing Automation and Simulation (RAMAS – 2012)’** organised by Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, Andhra Pradesh, **7<sup>th</sup> – 19<sup>th</sup> May, 2012.**
- ⇒ Attended One week STTP under QIP on **‘Dynamics and Controls of Mechanical Systems’** at **IIT Roorkee, 26<sup>th</sup> – 30<sup>th</sup> Dec. 2011.**

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### Expert Sessions

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- ⇒ Expert session on topic **FFT Analyzer** in “Modern Manufacturing Techniques for All Terrain Vehicle” at AICTE-IDEA Lab, K K Wagh Institute of Engineering Education and Research, Nashik on 27<sup>th</sup> Apr. 2023
- ⇒ Expert session on topic **Vibration Analysis** in “A Six Days Quad Vehicle Professional Skilling Program” at AICTE-IDEA Lab, K K Wagh Institute of Engineering Education and Research, Nashik on 9<sup>th</sup> Feb. 2023.
- ⇒ Online expert session on topic "**Geometric dimensioning & tolerance in drafting**" at Ceat Ltd., Halol, Gujrat on May13th May. 2022.

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### SKILLS

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- ⇒ Certified **Vibration Analysis Category II** by Mobius Institute one of the best institute in India.
- ⇒ Software’s: Auto cad, Creo 3.0, ANSYS, Python

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### PERSONAL VITAE

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**Father’s name** : BHANDARE RAMESH VASANT  
**Date of Birth** : 15<sup>th</sup> Dec. 1979  
**Nationality** : Indian  
**Linguistic Abilities** : English, Hindi & Marathi.  
**Marital Status** : Married

**Local Address:**  
Flat No. 9, 3<sup>rd</sup> Floor,  
Shriram Pride Apartment,  
Bhausahab Hirey Nagar, Nashik-Poona Rd,  
Dwarka, Nashik – 11.

**Permanent Address:**  
At-Post: Kasbe Sukene  
Tal: Niphad, Dist.: Nashik  
Pin – 422302.

**Place:** Nashik

**Date:**

(Bhandare R.V.)