

Name of Teaching Staff : Prof. Rajendra S. Khavekar
Designation : Training & Placement Officer
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Mobile No. : 9892168524
Date of Joining the Institution : 9.2.2000



Qualifications with Class / Grade: 1. Pursuing Ph.D. from University of Mumbai.
2. M. Tech. - NIFFT (National Institute of Foundry & Forge Technology).
3. B.E. (Incl. Prodn. Engg.), Ist class, 66.83%, September 1994, University of Karnataka, Dharwar.

Total Experience in Years : **Teaching: 17 years 3 months**

1. Training & Placement Officer from 7.7.2008 till date.
2. Assistant Professor in Production Engg, Dwarkadas J. Sanghvi College of Engg. from 1.1.2006 to 6.7.2008.
3. Lecturer in Production Engineering, Dwarkadas J. Sanghvi College of Engineering from 9.2.2000 to 31.12.2005.

Industry: 2 years 10 months

1. Service Engineer, Vischom Engineers & Chemicals (P) Ltd., Pune from December, 1994 to December, 1996.
2. Trainee Engineer, Amforge Industries Ltd., Mumbai from April, 1999 to February, 2000.

Research:

Papers Published : **National:**

International: Journal

1. "Application of Shainin DoE Tool to Explore Unknown Variables causing 'Ghost Noise' in 5th Gear Cycle of Transaxles during NVH Testing" in "Advances in Intelligent Systems Research", Vol. 137, PP: 271-276, Atlantis Press (Springer), AISR (ISSN 1951-6851), ISBN (online): 978-94-6252-305-0.
2. "A Comparative Study of Taguchi Methodology and Shainin System DoE in the Optimization of Injection Moulding Process Parameters", in Dec.-2016. This paper accepted for publication in the "Materials today: ELSEVIER/Science Direct" (with Dr.Hari Vasudevan and Modi Bhavik).

3. “Suspecting Dominant Variable that causes Porosity Defect in a Cast Made up of Aluminium Alloy (Lm2) Using Shainin’s DoE Approach” in the International Journal of Advances in Mechanical and Civil Engineering, Vol – 3, Issue 5, Oct 2016, ISSN : 2394- 2827, PP : 124 -130 (with Dr.Hari Vasudevan and Dharam Ranka). Received the best Research Paper Award during the presentation (ICMPE) in Pune on 7th of August 2016.

Papers Presented in Conferences :

National :

1. “Hybrid Rocket” in 2013. National conference on Role of Engineers in Nation building (Mumbai: Viva Institute of Technology, Maharashtra, India, March-2013) (with Dr.K N Vijayakumar and Vatsal Sheth).
2. “Anti-Lock Braking System-A review” in 2013. National Conference on Innovations in Mechanical Engineering (Lonavala: SIT, Lonavala, Maharashtra, India, April, 2013) (with Mehta Rujai, Sinha Sujit and Dr.K N Vijayakumar).
3. “Stealth Technology” in 2013. National Conference on Innovations in Mechanical Engineering (Lonavala: SIT, Lonavala, Maharashtra, India, April, 2013) (with Lokhandawala K, Johi Rushabh and Dr.K N Vijayakumar).
4. “Advances in additive Manufacturing Technology-A review” in 2013. National Conference on Innovations in Mechanical Engineering (Lonavala: SIT, Lonavala, Maharashtra, India, April, 2013) (with Diptesh M., Mahajan Shambhavi and Dr.K N Vijayakumar).
5. A Modified Approach in Precision Manufacturing by Abrasive Flow machining in 2005, National Conference on Advances in Mechanical Engineering (Hyderabad: Vasavi College of Engineering, Hyderabad, Andhra Pradesh, India, May 2005). (With Vasudevan Hari, Lakal Narendra and Bhosale Ajit).
6. Achieving Competitive Excellence in Contract processing in a Manufacturing Firm, in 2004 National Conference on World Class Manufacturing (Wardha: B. D. College of Engineering, Sevagram, Wardha, Maharashtra, India., March, 2004), (With Vasudevan Hari and Lakal Narendra).
7. Effect of Silicon on GGG-40 ductile Iron in 1998, one day conference on recent trends in manufacturing of Ductile iron (Jamshedpur: IIF Chapter, India, Bihar).

International:

1. “Application of Shainin Methodology to Reduce Rejections in Spur Gear Manufacturing “ in the International Conference in Materials, Manufacturing and modelling (ICMMM 2017) held at VIT, Vellore during 9-11 March, 2017. The paper is accepted for publication in ELSEVIER Materials today Proceedings (with Dr.Hari Vasudevan and Girish Deshpande).
2. “Design and Development of a Multi-Purpose trolley” in the International conference on Sustainable Development in Design and Manufacturing (ICSDDM-2017) held at Saraswati Engineering College , Navi Mumbai on 12th and 13th January , 2017 (with Virag Timbadia and Dr.Vijayakumar)
3. “Review on Creativity Techniques for Product Development” in the International conference on Sustainable Development in Design and Manufacturing (ICSDDM-2017) held at Saraswati Engineering College , Navi Mumbai on 12th and 13th January , 2017 (with Virag Timbadia
4. “Improvement of Gear Quality in Machining Industry using Shainin System”, in the International Conference on Materials, Manufacturing and Design 2016, organised by Dr. Babasaheb Ambedkar Technological University, Maharashtra on 20th & 21st December, 2016 (with Dr.Hari Vasudevan and Deshpande Girish).
5. “Optimization of Injection Moulding Process Parameters using Shainin System”, in the International Conference on Materials, Manufacturing and Design 2016, organised by Dr. Babasaheb Ambedkar Technological University, Maharashtra on 20th & 21st December, 2016 (with Dr.Hari Vasudevan and Modi Bhavik).
6. Vibration analysis of an assembly converting it into a Mass Spring system in 2006. International Conference on 'Advances in Materials processing and characterization (Chennai: Anna University, Tamil Nadu, India, August 2006), (with Hari Vasudevan, Narendra Lakal and Ajit Bhosle).
7. “Optimization of Machinery Techniques” in 2014.International Conference and Workshop on Advances in Mechanical Engineering (ICWAME – 2014) (Mumbai: Thakur College of Engineering and Technology, Maharashtra, India, Feb.-March-2014) (with Dr. K N Vijayakumar and Sameer K.)
8. “Comparison of Quality Improvement Techniques – Shainin System vs. Six Sigma Technique” in 2014. International Conference on Eco-Friendly Technologies for Sustainable Growth (ICEFT-14). (Mumbai: M.H.Saboo Siddik College of Engineering, Maharashtra, India , Feb.March-2014) (with Dr.K.N. Vijayakumar and Vimal).

PhD Guide? Give field & University : **Field:**

University:

PhDs / Projects Guided : **PhDs:**

Projects at Masters Level: 9 (Mechanical Engineering)

Books Published / IPRs / Patents :

Professional Memberships : Life Member ISTE.
Life Member, ISME
Member, ASM
Chairman (Academic), IPI Mumbai Chapter

STTP/Workshops attended:

Consultancy Activities

Awards

Grants fetched :

Research grant received under the “Minor Research Grant” scheme of the University of Mumbai:

1.. Research grant of Rs. 30,000/- for the work titled “Design and Development of Multi-purpose Trolley” for the A.Y. 2016-17.

Interaction with Professional : Hon.Secretary, Indian Society of Manufacturing Engineers (ISME)