

ACADEMIC PROFILE

Name	Dr.Hrishikesh P. Khairnar	
Date of Birth	16.06.1977	
Date of Joining	2.1.2008	
Designation at the time of Joining	Assistant Professor	
Current designation	Assistant Professor	
Personal Homepage	NA	
Phone (Office)	02224198204	
Mobile	9221400737	
Email	hpkhairnar@me.vjti.ac.in	
Academic Qualifications		
<ul style="list-style-type: none"> • B.E. (Mechanical) • M.E. (Mechanical) • Ph.D (Mechanical) 		
Career History		
<ul style="list-style-type: none"> • Assistant Professor since 2008 till date 		
Areas of Academic Interest		
<ul style="list-style-type: none"> • Tribology • Automobile 		
Membership in Academic Bodies / Board of Studies / Editorial Board (Journals)		
<ul style="list-style-type: none"> • IIIE • Tribology Society of India (TSI) 		
Major Academic Publications		
<ul style="list-style-type: none"> • H.P.Khairnar, Dr. V.M.Phalle, Dr. S.S.Mantha. "Estimation of Automotive brake drum -shoe interface friction coefficient under varying conditions of longitudinal forces using Simulink". <i>Springer, Friction</i>, July 2015 (Print online), Vol.3, No.3, Sept. 2015, pp.214-227. ISSN 2223-7690. • H.P.Khairnar, Dr. V.M.Phalle, Dr. S.S.Mantha. "Comparative frictional analysis of automobile drum and disc brakes". <i>Tribology in Industry</i>. Vol. 38, No. 1 (2016) 11-23, ISSN: 0354-8996 (print version); 2217-7965 (online version). • H.P.Khairnar, Dr. V.M.Phalle, Dr. S.S.Mantha. "Friction coefficient depending on active friction radius with BPV and BTV in automobile disc braking system". <i>International Journal of Engineering, science and technology</i>. • Aviraj Nirmale, P.K.Mishra, H.P.Khairnar "A Review on Underwater Inspection of steel liner welds in hazardous environment" <i>International Journal of Engineering Development and Research (IJEDR)</i>, Vol.2, Issue.1: 67-72 (March 2014). • Jayesh Palekar, S Saravanan Pillai, Prof. H.P.Khairnar "Master Model Automation Using NX Unigraphics Customization", <i>International Journal of Engineering Development and Research (IJEDR)</i>, Vol.2, Issue.2: 2184-2189 (June 2014). • Vikrant J. Kotwade, H.P.Khairnar, Vinaay Patil "Review on Brake squeal", <i>International Journal of Engineering Development and Research (IJEDR)</i>, Vol.2, Issue.1: 537-547 (March 2014). • Mahendra L. Shelar, Prof. H.P. Khairnar, "Design Analysis and Optimization of Steering Knuckle Using Numerical methods and Design of Experiments", <i>International Journal of Engineering Development and Research (IJEDR)</i>, Vol.2, Issue.3: 2958-2967 (Sept 2014). • Saurabh Belsare, Mr. Priyamvad Mishra, Dr. H. P. Khairnar, "Benchmarking, Target setting & Evaluation of a Belt Driven Starter Generator (BSG) for 2.0 L Diesel Engine", <i>International Journal of Recent Trends in Engineering & Research</i>, Vol.3, Issue.6 (July 2017). 		

Paper Presentations in National / International Journals (In last 5 years)
<ul style="list-style-type: none"> • NA • •
Paper Presentations in National / International Conferences / Seminars(In last 5 years)
<ul style="list-style-type: none"> • L. N. Patil and H. P. Khairnar, "Comparative Analysis of Mechanically and Electrically Actuated Automobile Braking System", Proceedings of 5th International Conference on Industrial Engineering (ICIE-2019) held at SVNIT Surat, ISBN:978-93-86238-81-8. • Mrunal Kshirsagar, H. P. Khairnar, "Tribology in Automobile Brake System: A Review ", 5th International Conference on Industrial Engineering (ICIE-2019) , SVNIT, Surat, India.
Attendance in Conferences / Seminars / Workshops(In last 5 years)
<ul style="list-style-type: none"> • Tribology Conference at IISC Bangalore
Participation in Professional Development Programmes(In last 5 years)
<ul style="list-style-type: none"> • NA
Guidance / Supervision of M.Tech& Ph.D. Dissertations
<ul style="list-style-type: none"> • 30 students Guided for MTech • 04 Guiding for Ph.D.
Research Projects Undertaken
<ul style="list-style-type: none"> • NA •
Revenue generation(Consultancy/Testing assignments Undertaken)(In last 5 years)
<ul style="list-style-type: none"> • Trailer Design checking •
Organization of Academic Conferences / Workshops / Designing Courses(In last 5 years)
<ul style="list-style-type: none"> • NA •
Invited Lectures / Chairing / Resource Person / Keynote Address(In last 5 years)
<ul style="list-style-type: none"> • NA •