

	Name	Kurkute Vijay Khanderao		
	Designation	Associate Professor		
	Department	Mechanical Engineering		
	Qualification	ME(Mechanical), ME (Process Metallurgy)		
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	Experience	Teaching:	30 Years	Research:

Title of PhD Thesis	Modeling and Pareto Optimization of burnishing process for surface roughness and microhardness			
Area of Interest	Mechanical Design and Optimization			
Publications	International Journal (s):	23	National Journals (s):	---
	International Conference (s):	02	National Conference:	--
Research Metrics	Google Scholar Citations:34 H Index: 03 & I-10 Index: -02	SCOPUS Citations: 8 H Index: -1	Web of Sci. citations: - H Index: -	
Publication Details	<p>[1] Neve, N., & Kurkute, V. (2021). Analysis of Automated differential Multi-gauging System through Gauge Repeatability and Reproducibility (GRR). <i>Revista Geintec-Gestao Inovacao E Tecnologias</i>, 11(4), 1758-1771.</p> <p>[2] N. Nishant and V. K. Kurkute, "Design and Finite Element Analysis of Differential Multi-Gauging System," <i>International Journal of Recent Technology and Engineering</i>, vol. 8, pp. 3250-3254, 2020.</p> <p>[3] V. Kurkute and S. Chavan, "Modeling and Pareto Optimization of Burnishing Process for Surface Roughness and Microhardness," in <i>Nature-Inspired Optimization in Advanced Manufacturing Processes and Systems</i>, ed: CRC Press, 2020, pp. 193-210.</p> <p>[4] V. K. K. Nishant Neve, "Product Design and Development of Mortar Pestle (Masala Maker) for Commercial and Domestic Use," <i>International Journal Of Innovative Research In Management, Engineering And Technology</i>, vol. 4, p. 6, 2019.</p> <p>[5] N. Nishant and k. Vijay, "Design and Finite Element Analysis of Gear Housing Assembly Gauging System," <i>International Journal of Research and Analytical Reviews (IJRAR)</i>, vol. 6, pp. 462-467, 2019.</p> <p>[6] V. Kurkute and S. Chavan, "Analysis and Optimization of Surface Roughness and Microhardness for Roller Burnishing using Response Surface Methodology and Desirability Function Approach on Aluminum 63400," <i>Journal of Advanced Manufacturing Systems</i>, vol. 18, pp. 363-378, 2019.</p> <p>[7] V. Kurkute and S. T. Chavan, "Modeling and Correlations between Parameters of Roller Burnishing Process on Surface Roughness for Aluminum 63400 using RSM an Artificial Neural Network," <i>Advanced Science, Engineering and Medicine</i>, 2018.</p> <p>[8] V. Kurkute and S. T. Chavan, "Experimental Investigation of Roller Burnishing Process for Surface Roughness using Taguchi Orthogonal Array," <i>International Research Journal of Natural and Applied Sciences</i>, vol. 5, p. 10, 2018.</p>			

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- [15] V. K. K. S.S Kulkarni 1, S.T. Chavan 3, "Experimental and Finite Element Analysis of Tribological Behaviour of Heat Treated 40 C 8 Steel in Dry Sliding Test Using Pin on Disc Apparatus," *International Journal of Advanced Research*, vol. 3, pp. 684-690, 2015.
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- [22] T. Nirmal and V. Kurkute, "Application of CAD And CAE To The Development And Optimization Of Automobile Outer Rear View Mirror Based On The Vibration Study," *International Journal of Innovative Research and Development*, vol. 2, 2013.

	<p>[23] S. S. K. Kurkute And V. K., "Development Of Automatic Clutch Pedal Operating System," <i>International J.of Multidiscipl .Research & Advcs. in Engg.(IJMRAE)</i>, vol. 4, pp. 323-335, 2012.</p> <p>[24] N. K. Rawat, V. Kurkute, and D.-I. C. Bresser, "Material Analysis and Abaqus Material Card Generation of an Fiber Reinforced PP Plastic Material."</p>			
Professional Memberships	1. Life Member: ISTE.			
Workshop/ Seminar/ Conference attended	Sr. No.	Name of the Training Programme	Organizer	Dates
	1.	"Robotics	AICTE Training And Learning (ATAL) Academy	24/11/2020 to 28/11/2020
	2.	Understanding the Universe with Scientific Temperament	JSPM's Bhivarabai Sawant Institute Of Technology And Research, Wagholi, Pune	29 May 2020
	3.	IIC Online Sessions	Institution's Innovation Council (IIC) of MHRD's	28/04/2020 to 22/05/2020
	4.	"Python 3.4.3	Sou Venutai Chavan Polytechnic, Pune-41 in association with Spoken Tutorial, IIT Bombay	11/05/2020 to 15/05/2020
	5.	R - Language for analytics and Data Science	Sinhgad College of Engineering, Vadgaon (Bk), Pune in association with Spoken Tutorial Project, IIT Bombay	27/04/2020 to 02/05/2020
	6.	'Revolution in Engineering Education'	Sandip University Nashik School of Engineering & Technology Department of Mechanical Engineering	04/05/2020 to 08/05/2020
	7.	Analysis of research problems through design of experiment	IIT Bombay	August 13-17,2016
	8.	Statistical analysis for engineers	IIT Kanpur	June 17-21,2013
	9.	Advanced engineering optimization through intelligent techniques	SVNIT Surat	September 23-27, 2013

	10.	Applications of MATLAB and Simulink for engineers	COEP Pune	December 10-17, 2012
	11.	Design of experiment workshop	Institute of quality and reliability Pune	March 14-15, 2015
Workshop/ Seminar/ Conference Organized	1. Organized one-week Online Faculty Development Program on “ Recent Advanced in Mechanical Engineering Design ”, from 20-24 th July 2021 in BV (DU), COE, Pune under AICTE Training and Learning (ATAL) Academy.			
Extra Activities	IQAC Member Bharati Vidyapeeth (Deemed to be University) Pune IQAC coordinator of BVUCOE Pune PG Coordinator			