


Name of Teaching Staff	Dharam Vasant Ranka	
Designation	Assistant Professor	
Department	Mechanical Engineering	
Date of Joining	08 th July, 2014	
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Google Scholar Link	:	https://scholar.google.com/citations?hl=en&user=Bhl97KAAAAAJ
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Publons Researcher ID	:	https://publons.com/wos-op/researcher/1818457/dharam-vasant-ranka/
Vidwan Link	:	https://vidwan.inflibnet.ac.in/profile/302873
Qualifications with Class / Grade	:	<ul style="list-style-type: none"> • Ph.D. (Pursuing), Mechanical Engg, DJSCE, University of Mumbai. • M.E., Mechanical Engg, DJSCE, University of Mumbai, 9.01 CGPI, August 2016. • B.E., Automobile Engg, MHSSCE, University of Mumbai, Distinction, August 2011.
Total Experience in Years	:	<p>Teaching: 10 years 00 months Assistant Professor, SVKM's Dwarkadas J. Sanghvi College of Engineering,</p> <ul style="list-style-type: none"> ✚ From 09th Sept., 2021 to till date - Dept. of Mechanical Engg. ✚ From 04th July 2018 to 08th Sept., 2021 - Dept. of Production Engg. ✚ From 08th July 2014 to 30th June 2018 - Dept. of Mechanical Engg. <p>Industry: 01 year, 10 months Technical Advisor, Navnit Motors Pvt. Ltd.</p>
Papers Published:	:	<p>1. Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Social Dimension of Sustainability, Proceedings of International Conference on Intelligent Manufacturing and Automation 2022, Lecture Notes in Mechanical Engineering, Springer, March 2023 (with Dr. Hari Vasudevan). https://link.springer.com/chapter/10.1007/978-981-19-7971-2_17</p> <p>2. Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Economic Dimension of Sustainability, Proceedings of International Conference on Intelligent Manufacturing and Automation 2022, Lecture Notes in Mechanical Engineering, Springer, March 2023 (with Dr. Hari Vasudevan). https://link.springer.com/chapter/10.1007/978-981-19-7971-2_29</p>

	<p>3. Increasing Time Efficiency in Jewellery Industry Using Lean Manufacturing Principles, Proceedings of International Conference on Intelligent Manufacturing and Automation 2022, Lecture Notes in Mechanical Engineering, Springer, March 2023 (with Rishi Dasgupta and Deepak Jain) https://link.springer.com/chapter/10.1007/978-981-19-7971-2_11</p> <p>4. A Model for Challenges and Opportunities in the Implementation of Digitized Transforming Enablers in Manufacturing Industries, Proceedings of ICAPIE 2022, Advances in Transdisciplinary Engineering, Ebook: Advanced Production and Industrial Engineering, IOS Press, ISBN:978-1-64368-336-2 (print) 978-1-64368-337-9 (online), Volume 27, November 2022 (with Dr. Hari Vasudevan). https://ebooks.iospress.nl/doi/10.3233/ATDE220788</p> <p>5. Investigating Red X parameter for short shot type defect in plastic Injection moulds using Shainin's Design of Experiments, Proceedings of International Conference on Intelligent Manufacturing and Automation 2020, Lecture Notes in Mechanical Engineering, Springer, June 2020 (with Dr. Hari Vasudevan and Dr. Khavekar Rajendra). https://link.springer.com/chapter/10.1007/978-981-15-4485-9_55</p> <p>6. Suspecting Dominant Variable That Causes Porosity Defect in a Cast Made up of Aluminium Alloy (LM2) Using Shainin's DoE Approach, International Journal of Advances in Mechanical and Civil Engineering (IJAMCE), Institute of Research and Journals, November 2016 (with Dr. Hari Vasudevan and Dr. Khavekar Rajendra). https://ijamce.iraj.in/paper_detail.php?paper_id=5950</p> <p>7. Optimization Of Turning Process Parameters In The Machining Of An Accumulator (mdn-250) Using Taghuchi's Design Of Experiments, International Journal of Mechanical And Production Engineering (IJMPE), Institute of Research and Journals, May 2015 (with Dr. Hari Vasudevan and Prof. Shreya Kadwadkar). https://iraj.in/journal/IJMPE/paper_detail.php?paper_id=2030</p>
Papers Presented in Conferences	<p>1. Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Social Dimension of Sustainability, Proceedings of International Conference on Intelligent Manufacturing and Automation 2022 organized by SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai, November 2022 (with Dr. Hari Vasudevan).</p> <p>2. Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Economic Dimension of Sustainability, International Conference on Intelligent Manufacturing and Automation 2022 organized by SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai, November 2022 (with Dr. Hari Vasudevan).</p>

		<p>3. Increasing Time Efficiency in Jewellery Industry Using Lean Manufacturing Principles, International Conference on Intelligent Manufacturing and Automation 2022 organized by SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai, November 2022 (with Rishi Dasgupta and Deepak Jain)</p> <p>4. A model for Challenges and Opportunities in the implementation of Digitized Transforming Enablers in Manufacturing Industries, 7th International Conference on Advanced Production and Industrial Engineering (ICAPIE 2022) jointly organized by CAPIER, DTU and Department of Mechanical Engineering, NIT Delhi, 11th – 12th June, 2022 (with Dr. Hari Vasudevan).</p> <p>5. Investigating Red X parameter for short shot type defect in plastic Injection moulds using Shainin's Design of Experiments, International Conference on Intelligent Manufacturing and Automation 2020 organized by SVKM's Dwarkadas J. Sanghvi College of Engineering, Mumbai, June 2020 (with Dr. Hari Vasudevan and Dr. Khavekar Rajendra).</p> <p>6. Suspecting Dominant Variable That Causes Porosity Defect in a Cast Made up of Aluminium Alloy (LM2) Using Shainin's DoE Approach, 61st IRF International Conference, Pune, 14th August, 2016 (with Dr. Hari Vasudevan and Dr. Khavekar Rajendra) (<i>achieved Excellent Paper Award</i>).</p> <p>7. Optimization Of Turning Process Parameters In The Machining Of An Accumulator (mdn-250) Using Taguchi's Design Of Experiments, 21st IRF International Conference, Pune, 08th March, 2015 (with Dr. Hari Vasudevan and Prof. Shreya Kadwadkar).</p>	
Area of Specialization	:	<u>Manufacturing Management, Operations Research</u>	
PhD Guide ? Give field & University	:	<u>Field:</u> <u>University:</u>	Nil
PhDs / Projects Guided	:	<u>PhDs :</u> <u>Projects _____ at</u> <u>Masters level:</u>	Nil

Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)	DESIGN REGISTRATION 1) Design No. - 381685-001 Date of Registration - 17/03/2023 Title - STEERING STUB AXLE 2) Design No. - 380892-001 Date of Registration - 06/03/2023 Title - CHASSIS FOR ELECTRIC VEHICLE GO-KART 3) Design No. - 380658-001 Date of Registration - 02/03/2023 Title - ELECTRIC GO KART
Professional Memberships	:		1) Indian Society of Technical Education (ISTE) Membership No.: LM 125829 2) Indian Society of Manufacturing Engineers (ISME)
Grants fetched	:	Minor Research Grant (University of Mumbai)	Nil
Interaction with Professional Institutions	:	Guest Lectures: Other Achievements and Responsibilities:	Nil <i>Excellent Paper Award</i> for the paper presented in 61 st IRF International Conference, Pune, 14 th August, 2016.
Subjects Taught	:	<u>UG Level:</u> Operations Research, Production & Operations Management, Production Planning & Control, Design of Mold & Metal Forming Tools, Logistics & Supply Chain Management, Product Design & Industrial Marketing, Engineering Mechanics, Engineering Graphics, Constitution of India, Finance Management, Industrial Automation, Mechatronics, Automobile Engineering, Production Process I, Production Process III, Industrial Engineering & Enterprise Resource Planning. <u>PG Level:</u> Computer Integrated Manufacturing Systems, Logistics & Supply Chain Management	
Projects Guided	:	<u>UG Level:</u> 13 projects guided <u>PG Level:</u> Nil	

Recommended Students for Higher Education	:	Around 48 students recommended for higher education world-wide.
Institute/Department Responsibility handled	:	NAAC criteria 5 coordinator, NIRF committee member, NBA criteria 4 coordinator, Class Teacher, Department Alumni coordinator, ICIMA conference coordinator.
Pedagogy Development	:	Online teaching/learning, collaborative learning, problem-based learning, project-based learning, peer learning, team-based learning.