

SME'S Mahavir Polytechnic, Nashik.

Department : Mechanical Engineering

Dr.Sambhaji V. Sagare



Faculty Profile

Qualification :	PhD (Mechanical) M.E. (Mech.-Production Engg.) B.E. (Mechanical Engg.)
Designation :	Principal
Date of Joining :	01/08/2001
Experience :	1. Teaching: 23 years 2. Industrial: 01 years
Teaching/research Areas :	Machine Design, Measurement, Theory of Machine ,Manufacturing
Courses / Subjects Involved With :	List semester wise along with course name and code 1.Engineering Graphics - <ul style="list-style-type: none">• 2.Design of Machine Element -• 3.Power Engineering• 4.Theory of Machines• 5.Metrology and quality control• 6.Mechanical Engineering Drawing• 7.Capstone project -22060
Staff training/FDP attended in last 3 Years	List of FDP attended in last 3 Years 1.Cyber Security for Online Education Tools

<p>Paper published in journals</p>	<ol style="list-style-type: none"> 1. Sagare Sambhaji, Shyam Pawar, Nilesh Ghuge, and Chirag Kolambe. "Analysis of wire electrical discharge machining parameter optimization for hardness and dimensional deviation." <i>Materials Today: Proceedings</i> (2023). 2. Ghuge Nilesh, Sambhaji Sagare, Shyam Pawar, Chirag Kolambe, and Dattatray Palande. "Parameter optimization on WEDM machine of oil hardened nickel (Non–Shrinking) steel." <i>Materials Today: Proceedings</i> 65 (2022): 3150-3160. 3. Sagare Sambhaji Venkatrao, and Shyam Sunder Pawar. "Parametric optimization in WEDM machining process for OHNS steel and its experimental validation." <i>Songklanakarin J. Sci. Technol</i> 44 (3), 876–883, May – Jun. 2022. 4. Sambhaji Sagare & Shyam Pawar “A Review on Parametric optimization in wire electro discharge machining process for OHNS Steel and its experimental validation” <i>International Journal of Disaster Recovery and Business Continuity</i> Vol. 11 No. 3 ,2020. 5. Kolambe, C. K., Sagare, S. V., & Dole, N. B. “A Study of Supply Chain Management.” <i>International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)</i>, Volume 6, Issue 1, June 2021. 6. Kolambe, C. K., & Sagare, S. V. “Taguchi Method for Analysing the Lathe Machine.” <i>International Journal of Scientific Research in Engineering and Management (IJSREM)</i> Volume: 04 Issue: 11 , Nov -2020. 7. Kolambe, C. K., Sagare, S. V., & Dr. Priyanka Zawar “Implementation of 5S in College(Shree Mahavir Education Society's Institute of Technology Polytechnic)” <i>International Research Journal of Engineering and Technology (IRJET)</i>, Volume: 07 Issue: 11 , Nov 2020. 8. Kolambe, Chirag K., and Sambhaji V. Sagare. "Plasma arc Cutting Parameters using TAGUCHI Method." <i>International Journal for Scientific Research & Development</i> 8, no. 9 (2020): 2321-0613. 9. ‘Solar refrigeration’ National conference on ‘Emerging Trends in Mechanical Engineering ‘ETME-2009 Organized by GS Mandal's Maharashtra Institute of Technology, Aurangabad Aurangabad 5th March 2009 																				
<p>Books published with ISSN/ISBN number</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Title</th> <th style="width: 25%;">Publication</th> <th style="width: 25%;">ISBN Number</th> </tr> </thead> <tbody> <tr> <td>Power Engineering</td> <td>Galaxy Publications, Miraj</td> <td>----</td> </tr> <tr> <td>Power Engineering</td> <td>Vision Publication,Pune</td> <td>978-93-5016-261-3</td> </tr> <tr> <td>Theory of Machine</td> <td>Vision Publication,Pune</td> <td>978-93-5016-235-4</td> </tr> <tr> <td>Thermal Engineering</td> <td>Vision Publication,Pune</td> <td>978-93-5016-112-8</td> </tr> <tr> <td>Refrigeration and Air Conditioning</td> <td>Vision Publication,Pune</td> <td>978-93-5016-126-5</td> </tr> </tbody> </table>			Title	Publication	ISBN Number	Power Engineering	Galaxy Publications, Miraj	----	Power Engineering	Vision Publication,Pune	978-93-5016-261-3	Theory of Machine	Vision Publication,Pune	978-93-5016-235-4	Thermal Engineering	Vision Publication,Pune	978-93-5016-112-8	Refrigeration and Air Conditioning	Vision Publication,Pune	978-93-5016-126-5
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Participation in MSBTE activities(RAC/DC/Theory/PR Exam/Curriculum development)	Responsibilities taken in MSBTE Committees	
	Activity	Post
	MSBTE Paper Moderation	Member
	External Academic Monitoring committee	Chairman
	Curriculum Development for Govt.Poly Nashik	Subject Expert
	MSBTE State Level Quiz competition	Jury member
Paper presentation /conferencesattended	<p>Paper published/ presented:</p> <ol style="list-style-type: none"> 1. International Conference on Materials Science and Sustainable Manufacturing Technology (ICMSSMT 2022) at Coimbatore, Ta mil Nadu, India 2. Fourth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2022) at, Erode, Tamil Nadu, India. 3. International conference on innovative practices in engineering technology and business management (RMDSTIC-2022) at warje ,Pune, Maharashtra <p>International Conference on Emerging Trends in Engineering and Technology (ICETET-2020) at Nashik, Maharashtra.</p>	
List of Projects guided at diploma	<ol style="list-style-type: none"> 1. Gearless bicycle 2. Overload auto off system for automobiles 	
Role and responsibilities at institute level	<ol style="list-style-type: none"> 1) Admission committee coordinator. 2) Annual social gathering committee head. 3) Managing and anchoring various functions and events. 4) Participating in the development of institute. 5) Encourage faculty for innovative teaching. 6) Counselling students and parents. 	
Additional Information	<p>Official Email Id - sambhaji.sagare@shreemahavir.org Blog: sambhajisagare1.wordpress.com Mobile number-9850098765</p>	

level last 3 years	<ol style="list-style-type: none"> 1. Smart trolley for supermarkets 2. Seven seater green vehicle 3. Smart helmet with alcoholic sensor 4. Multipurpose agri sprayer
Role and responsibilities at institute level	<ol style="list-style-type: none"> 1. Head of Institute
Role and responsibilities at department level	-
Major achievements in last 5 years	<ol style="list-style-type: none"> 1. Award Ph.D. in May 2023
Professional membership if any	<ol style="list-style-type: none"> 1. Member (Life), Indian Institution of Industrial Engineering(IIIE) Navi Mumbai. Number is 9643
Additional information	<p>Visit my blog: Email address : sambhaji.sagare@shreemahavir.org</p>