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Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Date of Joining the Institution	: 09/01/2017	
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Qualifications with Class / Grade	: M.Tech – Mechanical Engineering (Automobile), (V.J.T.I.) Mumbai, Mumbai University, 7.8 CPI, 2014. B.E. Mechanical Engineering, SCOE, Pune, University of Pune, 67%, 2011.	
Total Experience in Years	: Teaching: 09 yrs Veermata Jijabai Technological Institute : As a Teaching Assistant 2012 – 2014 Marathwada Mitramandal's College of Engineering : As a Lecturer 2014 – 2015 Forbes Marshall, Kasarwadi Pune : Instructor for preparatory Classes for M.tech Entrance Exam (Sponsored Quota), May and June 2015 MITAOE, Alandi, Pune : As an Assistant Professor 2015 – 2016 DJSCE, Mumbai: As an Assistant Professor, Working Since Jan 2017  Industry: 01 yrs Piaggio Vehicles Private LTD. Baramati, Pune : As Graduate Engineer Trainee (GET) 2011 – 2012	
Papers Published in Journal:	: <b>02</b>  1. SM Auti, WS Rathod, “Effect of hybrid blends of raw tyre pyrolysis oil, karanja biodiesel and diesel fuel on single cylinder four stokes diesel engine”, Energy Reports, Volume 7, November 2021, Pages 22142220, <a href="https://doi.org/10.1016/j.egy.2021.04.007">https://doi.org/10.1016/j.egy.2021.04.007</a> 2. Ajit Karnik, Meher Dev Gudela, Adwait Sawant, Shashikant Manjabapu Auti, “Numerical Analysis of Different Design Iterations of a Brake Disk”, Karnik, A., Gudela, M., Sawant, A., and Auti, S., "Numerical Analysis of Different Design Iterations of a Brake Disk," SAE Technical Paper 2020-01-5215, 2021, <a href="https://doi.org/10.4271/2020-01-5215">https://doi.org/10.4271/2020-01-5215</a> .	
Papers Presented in Conferences	: <b>06</b>  1. S. M. Auti, Jinesh Sheth, Prakriti Tulasyan, Asmita Gaikwad, Purnima Bagwe, “Design of Shredder Machine for ELV Tyres”, Proceedings of International Conference on Intelligent Manufacturing and Automation pp 635-646, Springer, Singapore (2020), DOI: 10.1007/978-981-15-4485-9_64 2. S. M. Auti, W. S. Rathod, “Design and Manufacturing of Test Rig for Pyrolysis of Waste Tyres of Two-Wheeler Vehicles (ELVs)”, Proceedings of	

		<p>International Conference on Intelligent Manufacturing and Automation pp 503-511, Springer, Singapore (2020), DOI: 10.1007/978-981-15-4485-9_52</p> <p>3. Siddharth Singi, Siddharth Gopal, Shashikant Auti, Rohit Chaurasia, “Reinforcement Learning for Inventory Management” Proceedings of International Conference on Intelligent Manufacturing and Automation pp 317-326, Springer, Singapore (2020), DOI: 10.1007/978-981-154485-9_33</p> <p>4. Dhairya D Mehta, Omkar Atale, Tanvi Hodage, SM Auti, Rohit Chaurasia, “Design and Analysis of Onion Harvester”, Proceedings of International Conference on Intelligent Manufacturing and Automation pp 691-697, Springer, Singapore (2020), DOI: 10.1007/978-981-154485-9_69</p> <p>5. Farhan Sayed, Mitesh Parmar, Shashikant Auti, “A Review on Graphene”, Proceedings of International Conference on Intelligent Manufacturing and Automation pp 323-331, Springer, Singapore (2019), DOI: 10.1007/978-981-13-2490-1_29</p> <p>6. Kaival Rajesh Nayak, Shashikant Auti, “Reviewing the problem of ELVs in India and checking possibilities of pyrolysis as a solution” Proceedings of International Conference on Intelligent Manufacturing and Automation, Springer, Singapore (2019) <a href="https://doi.org/10.1007/978981-13-2490-1_52">https://doi.org/10.1007/978981-13-2490-1_52</a></p>
Area of Specialization		<b><u>Mechanical Engineering, Automobile, ASR treatment, Tyre Pyrolysis.</u></b>
Professional Memberships	:	Indian Society of Manufacturer Engineers (ISME) Society of Automotive Engineers (SAE)
Grants fetched	:	Minor Research Grant (University of Mumbai) Rs. 40000 (Year 2018 -2019) Rs. 47000 (Year 2021-2022)
Subjects Taught		<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. <u>Engineering Mechanics</u></li> <li>2. <u>Production Process I</u></li> <li>3. <u>Production Process II</u></li> <li>4. <u>Industrial Automation</u></li> <li>5. <u>Automobile</u></li> <li>6. <u>Project Management</u></li> <li>7. <u>Machine Design I</u></li> <li>8. <u>Design of Mechanical System</u></li> <li>9. <u>Rapid Prototyping</u></li> <li>10. <u>CAD/CAM/CAE</u></li> <li>11. <u>CAMD</u></li> </ol>
Projects Guided	:	<p><b><u>UG Level: 11</u></b></p> <ol style="list-style-type: none"> <li><b><u>1.</u></b> Designing of a double wishbone suspension system</li> <li><b><u>2.</u></b> Design of Automatic Fire Suppression System with distress signal emitter for automobile</li> <li><b><u>3.</u></b> Recycling of End of Life Vehicles</li> </ol>

Recommended Students for Higher Education	Various Universities across USA, Canada and Germany
Institute/Department Responsibility handled:	Department Level Alumni In-Charge Member of ISTE, college committee COURSERA admin