

Name of Teaching Staff	: Dr. Shashikant Manjabapu Auti	
Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Date of Joining the Institution	: 09/01/2017	
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Qualifications with Class / Grade	: Ph.D. – Mechanical Engineering , (V.J.T.I.) Mumbai, Mumbai 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: 11 Years 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 Years Piaggio Vehicles Private LTD. Baramati, Pune: As Graduate Engineer Trainee (GET) 2011 – 2012	
Papers Published in Journal:	: 02 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, https://doi.org/10.1016/j.egy.2021.04.007 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, https://doi.org/10.4271/2020-01-5215 .	
Papers Presented in Conferences	: 06 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	

	<ol style="list-style-type: none"> 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 International Conference on Intelligent Manufacturing and Automation pp 503-511, Springer, Singapore (2020), DOI: 10.1007/978-981-15-4485-9_52 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 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 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 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) https://doi.org/10.1007/978981-13-2490-1_52
Area of Specialization	<u>Mechanical Engineering, Automobile, ASR treatment, Tyre Pyrolysis.</u>
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	<u>UG Level:</u> <ol style="list-style-type: none"> 1. <u>Engineering Mechanics</u> 2. <u>Engineering graphics</u> 3. <u>Production Process I</u> 4. <u>Production Process II</u> 5. <u>Industrial Automation</u> 6. <u>Automobile</u> 7. <u>Project Management</u> 8. <u>Machine Design I</u> 9. <u>Design of Mechanical System</u> 10. <u>Rapid Prototyping</u> 11. <u>CAD/CAM/CAE</u> 12. <u>CAMD</u> 13. <u>Personal Finance management</u> 14. <u>Universal Human Values</u> 15. <u>Mechatronics</u> 16. <u>Smart Industries</u> 17. <u>Additive Manufacturing</u>

Projects Guided	: UG Level: 14 <ol style="list-style-type: none"> 1. Designing of a double wishbone suspension system 2. Design of Automatic Fire Suppression System with distress signal emitter for automobile 3. Recycling of End-of-Life Vehicles
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