Name of Teaching Staff Designation Department Date of Joining the Institution Email ID Office Contact	: : : : : :	Dr. Sandip H. Mane Assistant Professor Production Engineering 11.7.2011 sandip.mane@djsce.ac.in 022-42335025	 Photo
Google Scholar Link	:	https://scholar.google.com/citations?user=Fm9CUFEAAAAJ&hl=en	
Researchgate Link:		https://www.researchgate.net/profile/Sandip-Mane-3	
ORCID		https://orcid.org/0000-0002-8209-4658	
Qualifications with Class / Grade	:	1. **Ph.D. (Mechanical Engineering)** **University of Mumbai, Mumbai, Maharashtra, India.**, Thesis: "Analysis of the effects of cutting fluid and thermal aspect in turning of hardened alloy steel". 2. **M. Tech. (Thermal and Fluid Engg.)** CGPA: 7.7/10 (Distinction) **Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India.** Thesis: "Some Investigation of I.C Engine Using Alternative Fuels". 3. **B. E (Mechanical Engineering): 70 % (Distinction)** **Dr. J. J. Magdum College of Engineering, Shivaji University, Kolhapur, Maharashtra, India.** Thesis: "Design, Development and testing of Heat Pump".	
Total Experience in Years	:	**Teaching: 17 Years** 1. Assistant Professor, PROD, DJSCE, Vile-Parle (W), Mumbai, India, July 2011 to till date. 2. Assistant Professor, MECH, BVCOE, Kharghar, Navi- Mumbai, India, July 2007 -June 2011 3. Assistant Professor, MECH, SCOE, Kharghar, Navi- Mumbai, India, July 2004 - June 2007 **Industry: 01 Year** 1. Shift In-Charge at ESSPEE Industrial Corporation, Wagle Estate, Thane, India, July 2003 - June 2004	
Papers Published in Journal:	:	1. Mane S. H. and Sanjay Kumar, "Analysis of Surface Roughness during Turning of AISI 52100 Hardened Alloy Steel using Minimal Cutting Fluid Application", in Advances in Materials and Processing Technologies, Taylor and Francis Publications, DOI:10.1080/2374068X.2020.1855965.	

		2. Mane S. H. and Sanjay Kumar, "Response Surface Modeling and Optimisation of Cutting Temperature in Turning of AISI 52100 Hardened Alloy Steel under Minimal Cutting Fluid Application", in Advances in Science and Technology, Trans Tech Publications, ISSN: 1662-0356, Vol. 106, pp 60-67. 3. Mane S. H. and Sanjay Kumar, "Modeling and Optimization of Cutting Temperature in Hard Turning of AISI 52100 Hardened Alloy Steel Using Response Surface Methodology", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 39-48, 2020. 4. Mane S. H. and Sanjay Kumar, "Prediction of Surface Roughness and Optimisation of Cutting Parameters in Hard Turning of AISI 52100 Steel Based on Response Surface Methodology", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 157-166, 2020. 5. Mane S. H. and Sanjay Kumar, "Investigations on Effect of Cutting and Cutting Fluid Application Parameters on Surface Roughness and Microhardness in Hard Turning of AISI 52100 Alloy Steel", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 89-97, 2020. 6. Mane S. H. and Sanjay Kumar, "Effect of Cutting Parameters on Microhardness in Turning of AISI 52100 Hardened alloy steel with Multilayer Coated Carbide Insert", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 177-185, 2020. 7. Mane S. H. and Sanjay Kumar, "Optimisation of Cutting and Cutting fluid Application Parameters in Turning of AISI 52100 Hardened Alloy Steel under Minimal Cutting Fluid Application", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 177-185, 2020. 8. Mane S. H. and Anjali Mishra, "Optimization of Cutting Parameters in Dry Turning of AISI 4340 Hardened Alloy Steel with Multilayered Coated Carbide Tool", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 177-185, 2020. 9. Mane S. H. and Anjali Mishra, "Implementation of 5S to Set Up Inventory Control System with HTML Coded Spare Management System", Springer Singapore, ISSN: 2195-4364, 327-338, 2020. 10. Mane S. H. and Anjali Mishra, "Designing a Cowl Template with DFSS Methodology.", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 571-580, 2020. 11. Mane S. H. and Sanjay Kumar., "Investigation on Effects of Cutting and Jet Parameters in Turning of AISI 4140 Hardened Alloy Steel", in Materials Science Forum, Trans Tech Publications Switzerland, ISSN: 1662-9752, 969: 732-737, 2019. 12. Mane S H. and Sanjay Kumar., "Optimization of cutting parameters in dry turning of AISI 4140 hardened alloy steel with coated carbide tool" in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2018. 13. Mane S H. and Sanjay Kumar., "Cutting fluids and cutting fluid application techniques in machining: A Review" in the International Journal of Scientific and Engineering Research, ISSN 2229-5518, In

		Pressco International Press Corporation, Vol. 9, Issue 3. 14. Mane S H. and Sanjay Kumar., "Heat generation and Temperature in Orthogonal Machining" in the International Journal of Scientific and Engineering Research, ISSN 2229-5518, In Pressco International Press Corporation, Vol. 3, Issue 3. 15. Mane S H. and Hari Vasudevan., "Exploring the performance of a Single Cylinder Diesel Engine with alternative fuels such as CME and CME-Diesel Blends" in the International Journal of Current Engineering and Technology, ISSN 2277-4106, In Pressco International Press Corporation, Vol. 3, Issue 3. 16. Mane S H. and Uthale Suhas., An Overview of Hydrogen fueled SI Engine, in the International Journal on Global Technology Initiatives, ISSN 2277-6591, Vol.1, Issue 1.
Papers Presented in Conferences		1. Mane S H. and Sanjay Kumar., "Investigation on Effects of Cutting and Jet Parameters in Turning of AISI 4140 Hardened Alloy Steel", in the 2nd International Conference on Recent Advances in Materials and Manufacturing Technologies, (ICRAMMT 2018), being organized by MLRITM, Hyderabad, India from 19th to 20th November 2018. 2. Mane S H. and Vasudevan H., "Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites" in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - "AIMTDR 2014" organized by the Department of Mechanical Engineering, IIT Guwahati, India from December 12-14, 2014. 3. Mane S H. and Vasudevan H., "Experimental Investigation and Optimization of Milling Parameters in the Machining of NEMA G -11 GFRP Composite Material using PCD Tool" in the 5th International and 26th All India Manufacturing Technology, Design and Research Conference - "AIMTDR 2014" organized by the Department of Mechanical Engineering, IIT Guwahati, India from December 12-14, 2014. 4. Mane S H. and Uthale S., "Design and Analysis of Flexure bearing for linear compressor", in the International conference on Recent Advances in Engineering, Technology and Management (SPICON-2012) organized by Sardar Patel College of Engineering, Mumbai, Maharashtra, India from 31st May to 2nd June 2012. 5. Mane S H. and Vasudevan H., "An Experimental Study on the Performance and Emission Characteristics of a Single Cylinder Diesel Engine Using CME-Diesel Blends", in the International Conference on Renewable Energy and Sustainable Development (ICRESD-2014) organized by KJEI's Trinity College of Engineering and Research, Pune from 9th to 10th January 2014. 6. Mane S H. and Uthale S., "Hydrogen as a alternative fuel for SI Engine", in the International conference on Global Technology initiatives, (ICGTI-2012) organized by the Rizvi College of Engineering, Mumbai, Maharashtra, India during March 29th to 30th March 2012.
Area of Specialization		Thermal and Fluid Engineering, Manufacturing and Machining Science and Technology

Professional Memberships	:		1. Lifetime member of Indian Society of Manufacturing Engineers (ISME). 2. Lifetime member of Indian Society for Technical Education (ISTE). 3. Member of Society of Automotive Engineers (SAE)
Interaction with Professional Institutions	:	**Guest Lectures:** **Other Achievements and Responsibilities:**	1. Visiting faculty/Guest lecturer at Mukesh Patel School of Technology, Management and Engineering : NMIMS University, Mumbai, Maharashtra, India. 1. Acted as a member of syllabus revision committee for Production Engineering Program at university of Mumbai. 2. Acted as a Chairman and Paper setter in many Production Engineering and Mechanical Engineering subjects at University of Mumbai. 3. Acted as an expert in the National Conferences and final year's project competition in various engineering institutes. 4. Acted as an external examiner/moderator in the subjects of Production and Mechanical engineering at various institutes.
Subjects Taught		**UG Level:** Thermodynamics, Thermal Engineering, Fluid Mechanics, Heat Transfer, Fluid Machinery, Internal Combustion Engine, Refrigeration and Air Conditioning, Hydraulics and Pneumatics, Fluid Power and Automation, Manufacturing Engineering, I and II, Machining Science and Technology and Energy Audit and Management.	
Projects Guided	:	**UG Level:** Guided more than 60 projects in various areas of mechanical engineering.	
Recommended Students for Higher Education		**Name of the Student** More than 50 students for PG level	**University/Industry** Various Universities across USA, Canada, and Germany
Institute/Department Responsibility handled:		Member of BoS of Production Engineering, DJSCE (Autonomous) SAE Advisor Department Level Coordinator: NAAC Criteria 3 Department Level Coordinator: NBA Criteria 5 Visiting Faculty Coordinator Admission Committee Member Worked as Sports Committee Member Worked as a Time-table Coordinator Worked as an Exam-Cell Coordinator at department level. Worked as member of syllabus revision committee of Production Engineering program at University of Mumbai. **Workshop and Central facility In-Charge**	