


Name of Teaching Staff	:	Mr. Mehul S. Prajapati	
Designation	:	Assistant Professor	
Department	:	Dept of Mechanical Engg.	
Date of Joining the Institution	:	12.07.2011	
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Google Scholar Link	:	https://scholar.google.com/citations?user=CUecA7AAAAAJ&hl=en	
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ORCID	:	0000-0002-4343-7486.	
Publons Researcher ID	:	https://publons.com/researcher/4957493/mehul-prajapati/	
Qualifications with Class / Grade	:	<ol style="list-style-type: none"> 1. PhD. Mechanical Engineering (Pursuing) (NIT Surat) 2. M. Tech. (Production) from VJTI with Ist Class (7.6CPI) in Jul, 2010. 3. B.E. (Production) from University of Mumbai with Ist Class (65.45%) in Jun, 2007. 	
Total Experience in Years	:	<p><u>Teaching:</u> 13 years</p> <ol style="list-style-type: none"> 1. Assistant Professor at D. J. Sanghvi College of Engineering from 12/07/2011 till date 2. Lecturer, D. J. Sanghvi College of Engineering from 10.01.2011 to 30.6.2011. 3. Lecturer, VJTI from July, 2010 to Dec, 2010. <p><u>Industry:</u> GET, L & T from Jun 2007 to Dec, 2007.</p>	
Area of Specialization	:	Advance Manufacturing Processes, Optimizations Techniques.	
Papers Presented in Conferences	:	<p><u>International</u> :--</p> <ol style="list-style-type: none"> 1. „Analysis of Pressure Relief Valve using Matlab Simulink“ at Thirty Seventh National & Fourth International Conference on Fluid Mechanics and Fluid Power at IIT Madras. 	

Papers Presented in Journal	<p>: International: --</p> <ol style="list-style-type: none"> 1. „Analysis of Pressure Relief Valve using Matlab Simulink“ The Technology World Quarterly Journal Volume 4 Issue 2 June 2013 ISSN: 2180-1614. 2. "Optimization of CNC Die-Sinking EDM Process Parameters Based on MRR and EWR by Taguchi Method Using Copper Electrode on P20 Tool Steel" Lect. Notes Mechanical Engineering, on Intelligent Manufacturing and Automation, 978-981-15-4484-2, 488144_1_En, April 2020 3. "Development of Storage System by Designing a Magazine for Forged Rings" Lect.Notes Mechanical Engineering on Intelligent Manufacturing and Automation, 978-981-15-4484-2, 488144_1_En, April 2020 (With Meet Karelia). 4. “Experimental Investigation During Machining of P20 Tool Steel Using EDM”, Advances in Materials Processing and Manufacturing, June 2021, DOI: 10.1007/978-981-16-0909-1_56. 5. “Productivity Improvement by Applying Lean Tools for Manufacturing of Mechanical Seal” Proceedings of International Conference on Intelligent Manufacturing and Automation, March 2022, DOI: 10.1007/978-981-19-7971-2_12 6. “Study on Evolution of Hydrogen Gas Bubble on the Performance of the μ-ECDM Process”, Proceedings of International Conference on Intelligent Manufacturing and Automation, March 2022, DOI: 10.1007/978-981-19-7971-2_12 7. Seal Face Design of Dry Running Seal Assembly to Reduce Gas Leakage, Proceedings of International Conference on Intelligent Manufacturing and Automation, March 2022, DOI: 10.1007/978-981-19-7971-2_12
Books Published/IPR/Patent	<p>Patent: South African Utility Patent no – 2022/2026 on 28th April 2022 Title - “AN ASSEMBLY OF ABRASIVE JET MACHINING”</p>
STTPs/ Workshops	<ol style="list-style-type: none"> 1. Attended Symposium on “VALUE ENGINEERING” at V.J.T.I. Mumbai. (Jan.2009) 2. Two Day Workshop on Curriculum Development for Mechanical Engineering at Mukesh Patel School of Technology Management & Engineering on 2nd and 3rd April 2012. 3. Two week ISTE- IITB workshop on Engineering Mechanics conducted by IIT from 26th November to 6th December 2013. 4. One week STTP on Product Life Cycle Management in collaboration with Siemens June 2014 at Fr Agnel College Vashi. 5. One week STTP on Digital Manufacturing (using Delmia) in collaboration with Tata Technologies at Sardar Patel of College Engineering from 23rd to 28th May 2016.

	<ol style="list-style-type: none"> 6. Three day FDP on Product Lifecycle Management in collaboration with TCS Sangam from 13 – 15 July, 2016 7. A “Faculty Development Programme”, covering various aspects of Industry Institute Interaction was organized by the Department of Production Engineering in collaboration with the following industries. <ol style="list-style-type: none"> a) Mutual Engineering Pvt. Ltd., Vasai, on 28th & 29th of November 2018. 2. b) Mutual Automotive Pvt. Ltd., Pune, on 01st December 2018. c) Mahindra & Mahindra (Automotive Division), Kandivali, 10th December 2018. d) Designcell CAD-CAM solutions Pvt. Ltd., Vasai, on 05th January 2019. 8. One-day workshop on 3D Printing & Applications at NMIMS’S Mukesh Patel School of Technology & Management Engineering on 19th January, 2019. 9. Two-day workshop on “Active teaching learning strategies using Innovative Technology” on 25th & 26th February 2019, at D.J Sanghvi College of Engineering. 10. GIAN Course on Micro/Nano machining at NIT Calicut from 24/06/2019 to 28/06/2019 11. One week ISTE approved induction programme on “Challenges & Opportunity in Manufacturing in Indian Scenario” held from 2/7/2019 to 6/7/2019 at D.J Sanghvi College of Engineering thru Industry. 12. One week STTP “A Journey into the Manufacturing Sector in India in View of Industry 4.0 practices and COVID-19” held from 9th June 2020 to 13th June 2020 at D.J Sanghvi College of Engineering 13. Two weeks certified training on Base SAS, SAS Visual Analytics, Applied Analytics Using SAS (R) Enterprise Miner (TM) from SAS India June 2020. 14. One week ISTE approved STTP “Advancement in Indian Manufacturing: Leveraging Industry 4.0 to Drive Growth and Innovation” held during 24.06.2023 to 28.06.2023 organized by D.J Sanghvi College of Engineering. 15. One week ATAL FDP on “Semiconductors in Design and Development of Micro-Electro Mechanical Systems” 08.01.2024 to 13.01.2024 at SPCE Mumbai. 16. One week ISTE approved STTP “Research Funding, Publications and IPR: A Journey from Fundamentals to Advance Methodologies” held during 10.06.2024 to 14.06.2024 organized by D.J Sanghvi College of Engineering. 17. One week ISTE approved STTP “Applications of AI-ML-DL in Product Lifecycle Design and Management” held during 22.07.2024 to 26.04.2024 organized by D.J Sanghvi College of Engineering.
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Professional Memberships	1. Life member of Indian society of manufacturing Engineers (ISME). 2. Life member of Indian society for Technical Education (ISTE).
Grants fetched	: Co- investigator for Minor Research Grant by University of Mumbai Topic – “ Novel Technique of Travelling Wire-Electro Chemical Spark Machining (TW-ECSM) Process for Non-Conducting Materials ” in 2019 – 2020. Grant received for Rs 60,000/-
Interaction with Professional Institutions	Other Achievements and Responsibilities: Certified training programmer on Base SAS, SAS Visual Analytics, and Applied Analytics, using SAS (R) Enterprise Miner (TM) from SAS India
Subjects Taught	F.E: Engineering Mechanics, Engineering Drawing S.E: Strength of Material, Manufacturing Processes, Advance Manufacturing Processes. T.E: Micro & Nano Manufacturing processes, Processes Engineering & Tooling, Design of Jigs and Fixtures, Metrology & Quality Control, Mold & Metal Forming technology, Design of Press Tools. B.E: Engineering Economics Finance Accounting Costing, Management Information system
Projects Guided	UG Level: More than 50 live Industry projects guided in the area of Manufacturing, Operations Management, Design for the VII semester In plant training students of Production Engineering Department.
Recommended Students for Higher Education	<u>Name of the Student</u> <u>University/Industry</u> Sagar Patel M.S Material Science (Texas A&M University) Rohan Amin M.S Industrial Engineering (Lehigh University) Aditya Sheth M.S Industrial Engineering (Texas Arlington) Prachi Sheth M.S Energy Management (Texas Dallas) Aakash Panchal M.S Industrial Engineering (Houston University) Some more names admitted to different universities in U.S., Canada, Australia, Germany etc.
Institute/Department Responsibility handled:	a) College Admission committee from June 2011 till date. b) College NAAC committee member from June 2017 till date. c) College branding committee from July 2022 till date. d) College time table coordinator from July 2022 till date e) College sports committee from June 2018 till date f) Production Departmental time table coordinator from July 2014 to 2023. g) NBA criteria 3 Production department in charge till May 2021 h) NBA Criteria 3 department in charge. i) VAP coordinator from June 2015 to June 2017. j) Industrial visits coordinator from June 2015 to June 2017. k) Department Alumni coordinator from July 2017 to June 2019.