

Curriculum Vitae/Resume

Dr. Sandip H. Mane

☎: 7738760749; ✉: Sandip.mane@djsce.ac.in

Name of Teaching Staff	Prof. Dr. Sandip Mane	
Designation	Assistant Professor	
Department	Mechanical Engineering	
Date of Joining the Institution	11.7.2011	
Email ID	sandip.mane@djsce.ac.in	
Office Contact	022-42335025	
Google Scholar Link	https://scholar.google.com/citations?user=Fm9CUFEAAAAJ&hl=en	
Research gate Link:	https://www.researchgate.net/profile/Sandip-Mane-3	
Scopus Link	https://www.scopus.com/freelookup/form/author.uri?st1=mane&st2=sandip	
ORCID	https://orcid.org/0000-0002-8209-4658	
Web of Science Researcher ID	https://www.webofscience.com/wos/author/record/AAE-7262-2022	
Vidwan Link	https://vidwan.inflibnet.ac.in/profile/339849	
Qualifications with Class I Grade	1. Ph.D. (Mechanical Engineering) Nov-2021 University of Mumbai, Mumbai, Maharashtra, India. 2. M. Tech. (Thermal and Fluid Engineering) May-2010 Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India. CGPA: 7.7/10 (Distinction) 3. B. E (Mechanical Engineering) May-2003 Dr. J. J. Magdum College of Engineering Shivaji University, Maharashtra, India. 70 % (Distinction)	
Total Experience	Academic Experience 1. Assistant Professor, Department of Mechanical Engineering Dwarkadas J. Sanghvi College of Engineering (DJSCE), Vile Parle	

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	(W), Mumbai, India <i>January 2024 – Present</i> 2. Assistant Professor, Department of Production Engineering Dwarkadas J. Sanghvi College of Engineering (DJSCE), Vile Parle (W), Mumbai, India <i>July 2011 – December 2023</i> 3. Assistant Professor, Department of Mechanical Engineering Bharati Vidyapeeth College of Engineering (BVCOE), Kharghar, Navi Mumbai, India <i>August 2007 – June 2011</i> 4. Lecturer, Department of Mechanical Engineering Saraswati College of Engineering (SCOE), Kharghar, Navi Mumbai, India <i>July 2004 – July 2007</i> Industry Experience 1. Shift In-Charge, ESSPEE Industrial Corporation <i>July 2003 – June 2004</i>
Institute/Department Responsibility handled:	Responsibilities handled as Workshop In-Charge (2011 to till date) 1. Coordinated and managed the Central Workshop Facility serving DJSCE, MPSTME, and SBMP, ensuring smooth academic and technical operations across all three institutes. 2. Contributed significantly to the establishment and development of the Central Workshop Facility, including the F.E. Workshop, Machine Shop, and CNC Shop. 3. Led the procurement, installation, and commissioning of workshop machinery, tools, and measuring instruments. 4. Managed workshop operations, machine maintenance, inventory control, and implementation of safety practices. 5. Conducted practical sessions, assessment, term work evaluation, and academic documentation activities. 6. Provided technical support for fabrication and prototyping of UG, PG, and Ph.D. student projects. 7. Organized and conducted STTPs on CNC for students and faculty members. 8. Coordinate workshop activities during academic inspections, audits, and committee visits at departmental and institutional levels. 9. Coordinated inter-institutional facility sharing activities among DJSCE, MPSTME, and SBMP

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	Responsibilities handled at department level 1. Departmental Co-ordinator: NBA Cr. 5 2. Departmental Co-ordinator: NAAC Cr. 3. 3. Member of Admission Committee. 4. Member of syllabus revision Committee 5. Visiting faculty Co-ordinator 6. VAP Co-ordinator 7. Class teacher 8. Visiting faculty to MPSTME 9. Functioned as In-charge of Fluid Mechanics & Hydraulic Machinery Laboratory.
Research Publication	1. Patent: 07 2. WoS/ Scopus indexed Journal: 16 Q1= 04, Q2= 06, Q3= 03 and Q4= 03. 3. Book Chapter (Scopus Indexed): 10 4. International Conference: 11
	<u>Patents:</u> 1. Indian Patent: "AI-Integrated Smart Excavator Control System with Real-Time Soil Analysis and Operator Safety Feedback." Sandip Mane (Co-inventor). Application No. 202621025985, Published on April 24, 2026. 2. Indian Patent: "Smart Hydrogen Transport Network with Distributed Digital Twin Monitoring Architecture." Sandip Mane (Co-inventor). Application No. 20261140024, Published on May 08, 2026. 3. Indian Patent: "AI-Integrated Solar Energy Driven Multi-Crop Harvesting System for Sustainable Small Farm Mechanization." Sandip Mane (Co-inventor). Application No. 202641072778, Published on June 19, 2026. 4. Indian Patent: "IoT-Enabled Solar Water Heating System with Intelligent Thermal Storage Control" Sandip Mane (Co-inventor). Application No. 202641084233, Published on July 10, 2026. 5. Indian Patent: "An Intelligent Smart Grid Framework Using Predictive Machine Learning for Real-Time Renewable Energy Balancing" Sandip Mane (Co-inventor). Application No. 202621081177, Published on July 10, 2026 6. Indian Patent: "Optimization of Bio-Waste to Hydrogen Conversion via Catalytic Process Control" Sandip Mane (Co-inventor). Application No. 202611083163, Published on August 21, 2026. 7. Indian Patent: "Smart Grid-Integrated Hydrogen Production with

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	Load Optimization Algorithm” Sandip Mane (Co-inventor). Application No. 202611083165, Published on August 21, 2026.
Papers Published in Journal	International Journal (WoS/Scopus Indexed) 1. Mane, S., Patil, R. B., and Al-Dahidi, S., 2025, Predictive Modeling of Surface Roughness and Cutting Temperature Using Response Surface Methodology and Artificial Neural Network in Hard Turning of AISI 52100 Steel with Minimal Cutting Fluid Application. Machines, MDPI, Vol. 13, Issue 266, DOI: https://doi.org/10.3390/machines13040266 (WoS-SCIE: Impact Factor = 2.5; Scopus: CiteScore = 4.7; Quartile = 01). 2. Mane, S., Patil, R. B., Siddiqui, M. I. H., Chan, C. K., and Xu, Y., 2025 Effect of Cutting Parameters and Tool Coating on Residual Stress and Cutting Temperature in Dry Hard Turning of AISI 52100 Steel using Finite Element Method, Frontiers in Materials, Vol. 12, doi: 10.3389/fmats.2025.1613630 (WoS-SCIE: Impact Factor = 2.9; Scopus: CiteScore = 5.6; Quartile = 02). 3. Mane, S., Patil R. B., Roy, A., Shah, P., and Sekhar, R., 2025, Analysis of the Surface Quality Characteristics in Hard Turning Under a Minimal Cutting Fluid Environment, Applied Mechanics, MDPI, Vol. 6, Issue 1, DOI: https://doi.org/10.3390/applmech6010005 (WoS-ESCI: Impact Factor = 1.5; Scopus: CiteScore = 3.5; Quartile = 02) 4. Mane, S., Patil, R. B., Kolhe, M. L., Roy, A., Kamble, A. G., and Chaudhari, A., 2025, Analysis of Thermal Aspect in Hard Turning of AISI 52100 Alloy Steel Under Minimal Cutting Fluid Environment Using FEM. Applied Mechanics, MDPI, Vol. 6, Issue 26, DOI: https://doi.org/10.3390/applmech6020026 (WoS-ESCI: Impact Factor = 1.5; Scopus: CiteScore = 3.5; Quartile = 02). 5. Mane, S., Palaniswamy, D., Shaheen, H., and Leena Jasmine, J. S., 2025. Enhancing Thermal Comfort and Indoor Air Quality through Energy Optimization with Neural Network, Journal of Thermal Analysis and Calorimetry, DOI: https://doi.org/10.1007/s10973-025-14882-6 (WoS-SCIE: Impact Factor ≈ 4.4; Scopus: CiteScore ≈ 7.8; Quartile = Q1). 6. Mane, S., Shaheen, H., and Bangalore Ramaiah, G., 2025. Enhancing the Structural Integrity and Load-Bearing Capacity of 3D-Printed ABS Polymer Materials Using Innovative Approach, Progress in Additive Manufacturing, Springer Nature Switzerland, DOI:

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	https://doi.org/10.1007/s40964-025-01278-z, (WoS-SCIE: Impact Factor $\approx$ 5.0; Scopus: CiteScore $\approx$ 9.3; Quartile = Q1) 7. Mane, S., and Palaniswamy, D., 2025. Graph-Based Deep Learning for Optimized Design of HSV Using Advanced Composite Materials, <i>Polymers for Advanced Technologies</i>, John Wiley & Sons Ltd., DOI: https://doi.org/10.1002/pat.70459 (WoS-SCIE: Impact Factor $\approx$ 3.4; Scopus: CiteScore $\approx$ 6.1; Quartile = Q2) 8. Uthale, S., Mane S., and Shinde, D., 2025. Enhancing Interlaminar Shear Strength of Woven Fabric Hybrid Polymeric Nanocomposites by Incorporating Multi Walled Carbon Nanotubes, <i>Suranaree J. Sci. Technol.</i>, Suranaree University of Technology, DOI: https://doi.org/10.55766/sujst9965 (Scopus: Impact Factor $\approx$ 0.4; Quartile = Q4) 9. Patil, R. B., Roy, A., Al-Dahidi, S., Mane, S., Birajdar, D., Chaurasia, R., and Auti, S., 2025, Bibliometric Analysis of Hydrogen-Powered Vehicle Safety and Reliability Research: Trends, Impact, and Future Directions. <i>Hydrogen</i>, MDPI, Vol. 6, Issue 42, https://doi.org/10.3390/hydrogen6020042 (WoS-ESCI: Impact Factor = 3.0; Scopus: CiteScore = 5.5; Quartile = 01). 10. Siva Sai, N. Y., Koratkar, P., Desai, I., Patil, R. B., Mane, S., 2025, Development of a Tendon-Driven Continuum Robot for Medical Applications. <i>Eng</i>, MDPI, Vol.6, Issue: 9 https://doi.org/10.3390/eng6020029 (WoS-ESCI: Impact Factor = 2.4; Scopus: CiteScore = 3.2; Quartile = 02). 11. Patil, R. B., Kyeong, S., Pecht, M., Gujar, R., and Mane, S., 2025, Assessment of Reliability Allocation Methods for Electronic Systems: A Systematic and Bibliometric Analysis, <i>Stats</i>, MDPI, Vol. 8, Issue 11, https://doi.org/10.3390/stats8010011 (WoS-ESCI: Impact Factor = 1.0; Scopus: CiteScore = 1.8; Quartile = 03). 12. Ghutke, P., Gawade, S., Kishore, K., and Mane, S., 2025, Optimized Predictive Modeling for Accurate Hardness Profiles in Hot-Rolled Alloy Steel Manufacturing Processes. <i>Journal of Advanced Manufacturing Systems</i>, 1–18. DOI: https://doi.org/10.1142/S0219686726500344 (WoS-ESCI: Impact Factor $\approx$ 1.1; Scopus: CiteScore $\approx$ 2.6; Quartile = 03).
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	13. Mane, S., and Kumar, S., 2020, Analysis of Surface Roughness during Turning of AISI 52100 Hardened Alloy Steel Using MCFA, <i>Advances in Materials and Processing Technologies</i>, 1–12. DOI: https://doi.org/10.1080/2374068X.2020.1855965 (WoS-SCIE: Impact Factor $\approx$ 2.1; Scopus: CiteScore $\approx$ 4.9; Quartile = Q2) 14. Mane, S., and Kumar, S., 2020, Response Surface Modeling and Optimisation of Cutting Temperature in Turning of AISI 52100 Hardened Alloy Steel under Minimal Cutting Fluid Application, in <i>Advances in Science and Technology</i>, Trans Tech Publications, ISSN: 1662-0356, Vol. 106, pp 60-67 (Scopus Indexed; CiteScore $\approx$ 1.2; Quartile = Q3). 15. Mane, S., and Kumar, S., 2019, Investigation on Effects of Cutting and Jet Parameters in Turning of AISI 4140 Hardened Alloy Steel, <i>Materials Science Forum</i>, Trans Tech Publications, Switzerland, Vol. 969, pp. 732–737, ISSN: 1662-9752 (Scopus Indexed; CiteScore $\approx$ 0.9; Quartile = Q4) 16. Mane S. and Kumar S., 2018, Optimization of cutting parameters in dry turning of AISI 4140 hardened alloy steel with coated carbide tool in <i>Lecture Notes in Mechanical Engineering</i>, Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e) (Scopus Indexed, Quartile = Q4). 17. Mane S. and Kumar S., 2018, Cutting fluids and cutting fluid application techniques in machining: A Review in the <i>International Journal of Scientific and Engineering Research</i>, ISSN 2229-5518, In Pressco International Press Corporation, Vol. 9, Issue 3. 18. Mane S. and Kumar S., 2017 “Heat generation and Temperature in Orthogonal Machining” in the <i>International Journal of Scientific and Engineering Research</i>, ISSN 2229-5518, In Pressco International Press Corporation, Vol. 3, Issue 3. 19. Mane S. and Vasudevan H., 2014 “Exploring the performance of a Single Cylinder Diesel Engine with alternative fuels such as CME and CME-Diesel Blends” in the <i>International Journal of Current Engineering and Technology</i>, ISSN 2277-4106, In Pressco International Press Corporation, Vol. 3, Issue 3.
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	20. Mane S. and Uthale Suhas., 2012, An Overview of Hydrogen fueled SI Engine, in the International Journal on Global Technology Initiatives, ISSN 2277-6591, Vol.1, Issue 1.
Book Chapters	<u>Book Chapter (Springer LNME Series, Scopus indexed)</u> 1. Mane S. and Vasudevan H., "Experimental Investigation, Modeling, and Optimization of Cutting Forces in Dry Hard Turning", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 481-489, 2022. 2. Jain M., Jain K., and Mane S. "Machine Learning to Estimate Gross Loss of Jewelry for Wax Patterns", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 293-301, 2022. 3. Mane S. 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. 4. Mane S. 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. 5. Mane S. 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. 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. 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. 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.

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	9. Mane S. and Jay Bhuva, "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. and Smit Patel, "Designing a Cowl Template with DFSS Methodology.", "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4364, 571-580, 2020.
Papers Presented in Conferences	<u>International Conferences</u> 1. Mane S. and Uthale S., "Microhardness Analysis during Turning of Hardened AISI 52100 Steel using Minimal Cutting Fluid Application", in the International Conference on Smart Mechanical System for Sustainability, (ICSMSS 2025), organized by the Department of Mechanical Engineering D. J. Sanghvi College of Engineering, Vileparle, Mumbai, India from December 22-23, 2025. 2. Mane S. and Kadam S., "Parametric Optimization for Surface Roughness in Turning of AISI 52100 Hardened Alloy Steel using Response Surface Methodology", in the International Conference on Smart Mechanical System for Sustainability, (ICSMSS 2025), organized by the Department of Mechanical Engineering D. J. Sanghvi College of Engineering, Vileparle, Mumbai, India from December 22-23, 2025 3. Mane S., "Analysis of the Surface Quality Characteristics in Hard Turning Under a MCFA Environment", in the International Conference on Recent Advances in Materials and Manufacturing Technologies, (ICRAME 2022), organized by the Department of Mechanical Engineering, IIT Jodhpur, India from August 25-27, 2022. 4. Mane S. and Sanjay Kumar., "RSM Modeling and Optimisation of Cutting Temperature in Turning of AISI 52100 Hardened Alloy Steel under MCFA", in the International Conference on Advances in Material Science and Mechanical Engineering (ICAMSME 2020), organized by the Department of Mechanical Engineering, N.B.K.R.I.S.T., Vidyanagar, Andhra Pradesh, India from Feb. 7-9, 2020. 5. Mane S. and Sanjay Kumar., "Analysis of Surface Roughness during Turning of AISI 52100 Hardened Alloy Steel using MCFA", in the International Conference on Advances in Material Science

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	and Mechanical Engineering (ICAMSME 2020), organized by the Department of Mechanical Engineering, N.B.K.R.I.S.T., Vidyanagar, Andhra Pradesh, India from Feb. 7-9, 2020. 6. Mane S. and Sanjay Kumar., “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. 7. Vasudevan H., Deshpande N., Ramesh R., and Mane S., “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. 8. Vasudevan H., Ramesh R., Deshpande N., and Mane S., “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. 9. Mane S. 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 (ICRES-2014) organized by KJEI’s Trinity College of Engineering and Research, Pune from 9th to 10th January 2014. 10. Uthale S. and Mane 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. 11. Mane S. 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.
Subject Taught	Thermodynamics, Fluid Mechanics, Hydraulic Machinery, Heat transfer, Manufacturing Process.

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Skills	<u>Software's:</u> Deform-3D, AdvantEdge, MATLAB, ANSYS-Fluent, Minitab, Design Expert, Origin-Pro.
Workshop/FDP/STTP	<u>Workshop/FDP/STTP</u> <u>ISTE approved: 12</u> <u>Industry Collaboration: 05</u> <u>Others: 07</u> 1. Refresher Course on “Fluid Mechanics in Action: Principles, Advances and Applications” under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) Organized by UGC-Malaviya Mission Teacher Training Centre, IIT(ISM) from 15th to 26th Sept. 2025, Dhanbad, Jharkhand. 2. ISTE approved STTP/FDP on “From draft to publication: Essential steps in research article writing” organized by Mechanical Engineering Department at Dwarkadas J. Sanghvi College of Engineering on 6th to 10th Jan.2025, Vileparle, Mumbai., Maharashtra. 3. ISTE approved STTP/FDP on “Application of AI-ML-DL in Product Life Cycle Design and Management” organized by Mechanical Engineering Department at Dwarkadas J. Sanghvi College of Engineering on 22nd to 26th July 2024, Vileparle, Mumbai., Maharashtra. 4. ISTE approved STTP/FDP on “Research Funding, Publications, and IPR: A Journey from Fundamentals to Advanced Methodologies” organized by Mechanical Engineering Department at Dwarkadas J. Sanghvi College of Engineering on 10th to 14th June.2024, Vileparle, Mumbai., Maharashtra. 5. NEP 2020 Orientation & Sensitization Programme under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) Organized by UGC-Malaviya Mission Teacher Training Centre, Sant Gadge Baba Amravati University on 5th to 14th Feb. 2024, Amravati (Maharashtra). 6. ISTE approved SF-STTP/FDP Programme on “Advancement in Indian Manufacturing: Leveraging Industry 4.0 to Drive Growth and Innovation” Organized by Dwarkadas J. Sanghvi College of Engineering on 24th to 28th June 2023, Mumbai, Maharashtra.

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	7. ISTE approved STTP/FDP on "AI/ML & Its Applications" Organized by KJ College of Engineering and Management Research on 17th to 21 April 2023, Pune, Maharashtra. 8. ISTE approved STTP/FDP on "Advances & Applications of Artificial Intelligence & Machine Learning" Organized by Sinhgad Technical Education Society's Sinhgad College of Engineering on 22nd Nov. to 2nd Dec. 2021 Vadgaon, Pune, Maharashtra. 9. AICTE-ISTE approved STTP on "Robotics and Industrial Automation" organised by Mechanical and Production Engineering Department at Dwarkadas J. Sanghvi College of Engineering on 12th to 16th Nov.2018, Vileparle, Mumbai., Maharashtra. 10. AICTE-ISTE approved Induction/Refresher Programme on "Challenges and Opportunities in Manufacturing Processes in Indian Scenario" organised by Dwarkadas J. Sanghvi College of Engineering on 2nd to 6th July 2019, Vileparle, Mumbai., Maharashtra. 11. Five Days Faculty Development Programme On "Python Programming and its Interdisciplinary Applications" organized by Pillai HOC College of Engineering and Technology (PHCET) on 8th to 12th August 2020, Dist.: Raigad, Maharashtra. 12. One-week Online Faculty Development Program (FDP) on "Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes" Organised by Finolex Academy of Management & Technology on 8th to 12th August 2020, Ratnagiri. 13. Faculty Development Program (FDP) on "A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19" organised by Dwarkadas J. Sanghvi College of Engineering on 9th and 13th June 2020, Vileparle, Mumbai. 14. One Week Faculty Development Programme on 'Improving Teaching Learning Experience using Best Practices' organised by Dwarkadas J. Sanghvi College of Engineering on 15th and 19th June 2020, Vileparle, Mumbai. 15. Faculty Development Program on "Connected Vehicles" organised by Dwarkadas J. Sanghvi College of Engineering on 25th June 2020, Vileparle, Mumbai., Maharashtra. 16. Faculty Development Program on Intellectual Property Rights" organised by Dwarkadas J. Sanghvi College of Engineering on 24th August 2020, Vileparle, Mumbai., Maharashtra. 17. Faculty Development Programme On " Industry Institute Interaction" Organised by Dwarkadas J. Sanghvi College of
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	Engineering, Vileparle, Mumbai., Maharashtra.in collaboration with Mutual Engineering Pvt. Ltd. on 29th Nov.2018, Vasai. 18. Faculty Development Programme On " Industry Institute Interaction" Organised by Dwarkadas J. Sanghvi College of Engineering, Vileparle, Mumbai., Maharashtra.in collaboration with Designcell CAD-CAM Solutions Pvt. Ltd. on 05th Feb 2019, Vasai. 19. Short Term Training Programme on Product Life Cycle Management conducted by TCS and DJSCE on 13th and 15th July2016 at TCS, Yantra Park, Thane, Maharashtra, India. 20. Short Term Training Programme on Applications of IOT in manufacturing conducted by TCS and DJSCE 16th -18th July 2015 at TCS, Yantra Park, Thane, Maharashtra, India. 21. Short Term Training Programme on Enterprise Resource Planning conducted by TCS and DJSCE on15th -17th Dec.2014, at TCS, Yantra Park, Thane, Maharashtra, India. 22. One-Week Short Term Training Programme on "Emerging and Modern Trends in Manufacturing" conducted by Saraswati College of Engg, Kharghar, Navi Mumbai on 11th -15th Jan. 2010. 23. One-Week Short Term Training Programme on "TECHNOSKILLS – Emerging Trends in Engineering Education and Teaching Methodology and Interpersonal skill" conducted by Saraswati College of Engg, Kharghar, Navi Mumbai on 13th -17th Jan. 2009.
Professional Courses	<u>Coursera</u> 1. Specialization in "Design of Experiment" course authorized by Arizona State University. 2. Specialization in "Digital Manufacturing and Design Technology" authorized by University at Buffalo and The State University of New York. 3. Specialization in "Supply Chain Management" authorized by Rutgers the State University of New Jersey. 4. Specialization in "Six Sigma" authorized by University System of Georgia. 5. Advanced Manufacturing Process Analysis course authorized by University at Buffalo and The State University of New York. 6. Renewable Energy and Green Building Entrepreneurship course authorized by Duke University. 7. Exploring Renewable Energy Schemes course authorized by University of Pennsylvania.

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	8. Fundamentals of Fluid Power course authorized by University of Minnesota. 9. Fundamentals of Macroscopic and Microscopic Thermodynamics course authorized by University of Colorado Boulder. 10. Assessment in Higher Education: Professional Development for Teachers course authorized by Erasmus University Rotterdam. 11. Learning to Teach Online an online non-credit course authorized by UNSW Sydney (The University of New South Wales). 12. Materials Science: 10 Things Every Engineer Should Know course authorized by University of California, Davis.
Industrial Training	<u>Industrial Training</u> 1. Advanced Machining Training, SubAero Precision Machining, 19 December 2023 – 01 January 2024 (02 Weeks), Academic Year 2023–2024. 2. Training in Die and Mould Making & Injection Moulding, Mutual Engineering Pvt. Ltd., Ehara Industrial Complex, Vasai (E), Thane, 28 November 2018 – 01 December 2018 (01 Week), Academic Year 2018–2019. 3. Training in CAD–CAM, Design Solutions, Andheri (E), Mumbai, 09 January 2019.
Projects Guided	UG Level = 30
Recommended Students for Higher Education	Mentored and recommended over 50 students for admission to MS programs at reputed universities in the USA, UK, Canada, and Germany.
Professional Membership	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)
Professional Strengths	1. Applying technical knowledge & skills gained through education & work-experience 2. Ability to work individually and as a co-operative team member with teamwork spirit. 3. Ability to work under pressure and to learn new task. 4. Ability to accept the responsibility 5. Flexible, adaptable and enthusiastic. 6. Self-motivated and goal oriented. 7. Good oral and written communication skill.

I hereby affirm that the information furnished in this document is true and correct.

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Place: Mumbai

Date: 12/07/2026

Dr. Sandip H. Mane