

Name of Teaching Staff : Dr.Ashwini Vaibhav Gotmare  
Designation : Assistant Professor  
Department : Mechanical Engineering

Date of Joining the Institution : 15<sup>th</sup> January 2025  
Email ID : [ashwini.gotmare@djsce.ac.in](mailto:ashwini.gotmare@djsce.ac.in)  
Office Contact : 022/42335000/42335001



Google Scholar Link : <https://scholar.google.co.in/citations?user=oU7QjSUAAAAJ&hl=en>

Researchgate Link: <https://www.researchgate.net/profile/Ashwini-Gotmare>

ORCID <https://orcid.org/0000-0002-9689-8921>

Publons Researcher ID : <https://www.webofscience.com/wos/author/record/MTG-1614-2025>

Qualifications with Class / Grade : **Ph.D. (Mechanical Engineering)**, University of Mumbai, August-2023  
**M.Tech. (Design Engineering)**, Birla Institute of Technology, Pilani, 2015  
**B.Tech. (Mechanical Engineering)**, College of Engineering Pune, 2012

Total Experience in Years : Total Experience: - 8.5 years

Assistant Professor in Department of Mechanical Engineering, D. J. Sanghvi College of Engineering, Vile parle, Mumbai, (January 2025 to till date)

Assistant Professor in Department of Mechanical Engineering, Rajiv Gandhi Institute of Technology, Mumbai, (July 2017 to January 2025)

Assistant Professor in Department of Mechanical Engineering, Veermata Jijabai Technological Institute, Mumbai, (Dec 2016 to May 2017)

Assistant Professor in Department of Mechanical Engineering, Veermata Jijabai Technological Institute, Mumbai, (July 2015 to Dec 2015)

- Papers Published in Journal: :
1. Gotmare A. V., Bokade S. U., Inamdar Z. Z. & Bhirud S. G. (2019). A Systematic Literature Review on RFID Application in Manufacturing and Supply Chain Management. Industrial Engineering Journal, 12(10),pp.23-31 DOI: <https://doi.org/10.26488/IEJ.12.10.1203>
  2. Raut R. D., Gotmare A.V., Narkhede B. E., Usharani H.& Bokade S. U. (2020) Enabling technologies for Industry 4.0 manufacturing and supply chain: concepts, current status, and adoption challenges. IEEE Engineering Management Review DOI: <https://doi.org/10.1109/EMR.2020.2987884>
  3. Digalwar A., Raut R. D.,Yadav V. S., Narkhede B. E., Gardas B. & Gotmare A.V. (2020). Evaluation of critical constructs for measurement of sustainable supply chain practices in lean-agile firms of Indian origin: A hybrid ISM-ANP approach. Business Strategy and the Environment <https://doi.org/10.1002/bse.2455>
  4. Gotmare A. V., Bokade S. U. (2021) Analyzing the barriers to Internet of things (IoT) adoption in Indian manufacturing firms Using Analytical Hierarchy Process, Udyog Pragati Journal (NITIE)

5. Parthban S, Gedam V. V., Narkhede B. E., Narawane V. S. & Gotmare A. V. (2022). Sustainable implementation drivers and barriers of lean\_agile manufacturing in original equipment manufacturers: A literature review study, International Journal of Business Excellence, DOI: <https://doi.org/10.1504/IJBEX.2019.10028926>

Papers Presented in  
Conferences

1. Gotmare A. V., Pandey D. S., Bokade S. U. (2018). Rediscovering Industries from the Perspective of Industry 4.0 - A Review, Proceedings of National Conference on Industrial Engineering & Technology Management (NCIETM 2018), pp. 41, NITIE Mumbai
2. Gotmare A. V., Bokade S. U. (2019). Internet of Things in Manufacturing: A Review on Applications, Challenges and Future Directions, Proceedings of 61st National Convention of Indian Institution of Industrial Engineering and 5th international conference on Industrial Engineering (ICIE-2019), Vol. I, pp. 431-437, SVNIT Surat
3. Amit Patil, Komal Powar, Ashwini Gotmare (2020) Polyacrylonitrile (PAN) Nano fibrous Membrane to Filter Particulate Matter from Automobile Exhaust System: A Review, Proceedings of TEQUIPIII Sponsored 1st International Virtual Conference on Recent Advancements in Design and Manufacturing (ICRADM-2020), SVNIT Surat
4. Gotmare A. V., Bokade S. U, (2022), Evaluation of Barriers to Implementation of Industry 4.0 Enabling Technologies in Indian Manufacturing Organizations, Proceedings of AICTE sponsored International Conference on Embracing Industry 4.0 Technologies for Sustainable Growth (ICEI4.0-2022), pp.21
5. Gotmare A. V., Bokade S. U, (2022), Impact of barriers to industry 4.0 adoption on Business performance: an exploratory study of Indian Manufacturing organizations, Proceedings of 3rd International Conference on Future Technologies in Manufacturing, Automation, Design & Energy (ICoFT MADE 2022), pp.16, NIT Pondicherry

Area of Specialization

**Industry 4.0, Machine Design, Strength of Materials**

Professional Memberships

: **LM-IIIIE** Life Member of Indian Institution of Industrial Engineering (IIIIE)

Grants fetched

: Minor Research ---  
Grant  
(University of  
Mumbai)

Interaction with Professional Institutions	:	<p><b>Guest Lectures:</b></p>	<p>Delivered expert talk on “Design of Six Sigma” during one-week workshop organized by IIIE RGIT student chapter.</p> <p><b>STTP/FDP/Workshop/Courses Attended:</b></p> <p><u>Courses:</u></p> <ol style="list-style-type: none"> <li>1. Cloud Computing Basics course on Coursera.</li> <li>2. course on Industry 4.0 offered by Tata Steel Capability development.</li> <li>3. Digital Manufacturing and Design course on Coursera.</li> <li>4. NPTEL course on “Introduction to Industry 4.0 and Industrial Internet of Things” with ELITE grade</li> <li>5. NPTEL course on “Strength of Materials” with ELITE grade</li> <li>6. NITTTR Module 3: Communication Skills, Modes &amp; Knowledge Dissemination</li> </ol> <p><u>STTP/FDP:</u></p> <ol style="list-style-type: none"> <li>7. Successfully completed online one week FDP on IPR and property rights organized by SLRTCE in May 2020.</li> <li>8. Successfully participated in one week FDP on “Engineering Education and the Industry: A post COVID-19 perspective” during 1st to 5th June in Rajiv Gandhi Institute of Technology.</li> <li>9. Successfully participated in one week FDP on “Enhancing Research Work of Ph.D. Aspirants through Systematic Approach” during 8th to 10th June, 2020 in LTCOE</li> <li>10. Successfully participated in one week FDP on “E Learning” during 5th to 7th July in Rajiv Gandhi Institute of Technology.</li> <li>11. Successfully participated in one week FDP on Academic Transformation with Secrets of Empowerment” held during 23 July, 2020 to 25 July, 2020 in Rajiv Gandhi Institute of Technology.</li> <li>12. Successfully completed the AICTE – AQIS sponsored Online Four Weeks STTP on “Recent Trends in Energy Management and Audit” held during 2nd November to 19th December 2020.</li> <li>13. Successfully Completed "Advances in Smart Manufacturing Technologies" one-week faculty development program (FDP) sponsored by TEQUIP III (Under Twinning) at Veermata Jijabai Technological Institute, Mumbai, December 30th 2019 – January 04th 2020</li> <li>14. Successfully Completed "Machine Learning with IoT" one-week faculty development program(FDP) at Rajiv Gandhi Institute of Technology, Mumbai, 16th December 2019- 20th December 2019</li> <li>15. Successfully Completed "Research Methodology" one-week faculty development program(FDP) at Rajiv Gandhi Institute of Technology, Mumbai, 01st July 2019 – 05th July 2019</li> </ol>
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Subjects Taught		<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. Machine Design-I</li> <li>2. Machine Design –II</li> <li>3. Design of Mechanical Systems</li> <li>4. Strength of Materials</li> <li>5. Production Planning and Control</li> <li>6. 3D Printing: Introduction and Processes</li> <li>7. Industrial Engineering Management</li> </ol> <p><b><u>PG Level:</u></b></p> <p>Research Methodology</p>
Projects Guided	:	<p><b><u>UG Level:</u></b></p> <ol style="list-style-type: none"> <li>1. Design and development of external exhaust filter unit with nano fibrous material to reduce air pollution from automotive vehicles</li> <li>2. Design and development of window evacuation system in case of fire accidents</li> <li>3. An experimental set-up for power generation using Maglev roof top ventilator</li> <li>4. A Low-Cost Portable Ventilator for Covid 19 Crisis</li> <li>5. Design of floor cleaning robot</li> </ol> <p><b><u>PG Level:</u></b></p> <p>--</p>

Recommended Students for Higher Education	<u><b>Name of the Student</b></u> More than 15 students for PG level	<u><b>University/Industry</b></u> Various Universities across the USA, UK, Germany
Institute/Department Responsibility handled:	E Yantra Robotics Lab Incharge Faculty Convener for student professional bodies “Robotics Club” and “Indian Institution of Industrial Engineering – student Chapter” Departmental Exam Coordinator Departmental Timetable Incharge Departmental Coordinator for “Student Mentoring Program” Worked on NBA criteria 3 and NAAC criteria 4 and 7 Co-coordinator for Program Assessment Committee and Department Advisory Board meeting Understudy in University of Mumbai Exam conduction committee Class Advisor Organizing Committee Member of Faculty Development Program Core member of Women Development Cell Member of Admission Counseling team.	
Pedagogy Development	Online teaching/learning, project based learning	