

Name of Teaching Faculty :	<b>Dr. Amit Abhimanyu Chaudhari</b>	
Designation :	<b>Assistant Professor</b>	
Department :	<b>Mechanical Engineering Department</b>	
Date of Joining the :	02.07.2012	
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Qualifications with Class / Grade :	<p><b>PhD (Tech) (Mechanical Engg)</b>  University of Mumbai, Maharashtra, India.  Thesis: Investigating Reliability Approach in Optimization of Casting Process Parameters.</p> <p><b>M.E. (Mechanical–CAD CAM) (8.42 CGP)</b>  PRMIT&amp;R, Sant Gadge Baba Amravati University, Maharashtra, India.  Thesis: Mono Composite Leaf Spring for Light Weight Vehicle - Design, End Joint Analysis and Testing.</p> <p><b>B.E. (Mechanical) (1st Class)</b>  PRMIT&amp;R, Sant Gadge Baba Amravati University, Maharashtra, India.</p>	
Total Experience in Years :	<p><b>Teaching 14.5 Years</b></p> <ol style="list-style-type: none"> <li>Assistant professor  Dwarkadas J. Sanghvi College of Engineering, Vile Parle (West), Mumbai.  From 2nd July 2012 to till date.</li> <li>Lecturer  Vidyavardhini's College of Engineering and Technology, Vasai, Palghar.  From 2nd August, 2010 to 30 June 2012.</li> <li>Lecturer  Atharva College of Engineering, Malad (west), Mumbai.  From 1st August, 2009 to 30th May, 2010.</li> </ol> <p><b>Industry</b></p> <p>Trainee Engineer  Kirloskar Electric Company Ltd., Banglore, India.  From 1st June, 2010 to 30th July, 2010.</p>	

Papers Published in Journal	<p>: 1. Chaudhari, A., Vasudevan, H. (2020). "A Review of the Reliability Techniques Used in the Case of Casting Process Optimization." In: Vasudevan, H., Kottur, V., Raina, A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-4485-9_32">https://doi.org/10.1007/978-981-15-4485-9_32</a></p> <p>2. Chaudhari, A., Vasudevan, H. (2022). "Reliability based design optimization of casting process parameters using Markov chain model." Materials Today: Proceedings. <a href="https://doi.org/10.1016/j.matpr.2022.04.189">https://doi.org/10.1016/j.matpr.2022.04.189</a></p> <p>3. Chaudhari, A., Vasudevan, H. (2023). "Investigating Critical Process Parameters Using Fuzzy Analytical Hierarchical Process in Casting Process Failure." In: Vasudevan, H., Kottur, V.K.N., Raina, A.A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-19-7971-2_19">https://doi.org/10.1007/978-981-19-7971-2_19</a></p> <p>4. Masurkar, P., Narkar, V., Phanse, S., Chaudhari, A. (2023). Design and Development of an Indexing Drill Jig for Currency Counting Machine. In: Vasudevan, H., Kottur, V.K.N., Raina, A.A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-19-7971-2_59">https://doi.org/10.1007/978-981-19-7971-2_59</a></p>
Papers Presented in Conferences	<p>: 1. Chaudhari, A., Thakre, S. (2012). "Mono Composite Leaf Spring: Modeling and analysis under static load condition." In: National Conference on Emerging Trends in Engineering and Technology, March 30, 2012, Vidyavardhini's College of Engineering and Technology, Vasai Road, Maharashtra, India.</p> <p>2. Chaudhari, A., Vasudevan, H. (2022). "Investigating Casting Process Parameters Through Casting Defects Using Analytical Hierarchical Process." In: International Conference in Recent Advances in Mechanical Engineering August 25-27, 2022, Indian Institute of Technology, Jodhpur, Rajasthan, India.</p>
Subjects Taught	<p>: UG Level:</p> <ul style="list-style-type: none"> <li>Engineering Mechanics</li> <li>Engineering Graphics/Drawing</li> <li>Strength of Material</li> <li>CAD CAM CIM</li> <li>Finite Element Analysis</li> <li>Computer aided Engineering (CAE)</li> <li>Product Lifecycle Management</li> <li>Personal Finance Management</li> <li>Corporate Finance Management</li> <li>Operation Research</li> <li>Product Design and Development</li> <li>Rapid Prototyping</li> <li>Automobile Engineering</li> </ul>

Area of Specialization	: CAD CAM, Manufacturing Processes, Optimizations Techniques, Reliability.	
Professional Memberships	: 1. Life member of Indian society for Technical Education (ISTE). 2. Life member of Indian society of manufacturing Engineers (ISME).	
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>	More than 50 students for PG level
	: <u>University/Industry:</u>	Various Universities across USA, Canada, and Germany
Institute/Department Responsibility handled	: a. Member of Institute Level Time Table Committee. b. Member of End Semester Exam Committee. c. Start-up Activity Coordinator under Institution's Innovation Council d. Member of Internal Quality Assurance Cell (IQAC) e. Member of Admission Committee f. Member of Institute level Sports Committee. g. Engineering Mechanics Coordinator h. Engineering Drawing/Graphics Coordinator i. SAP Tutor for Material Management module j. Department NBA Criteria 3 and Criteria 7 k. Member of NAAC committee from department. l. Value Added Program coordinator m. Industrial visits coordinator n. Department Alumni coordinator	
Pedagogy Development	: <u>Youtube channel :</u>	<a href="https://youtube.com/@amit_durlabh?si=p0Dx1BVmoDv_SNuW">https://youtube.com/@amit_durlabh?si=p0Dx1BVmoDv_SNuW</a>