

Name of Teaching Faculty	: Dr. Amit Abhimanyu Chaudhari	
Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Date of Joining Institute	: 02.07.2012	
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Google Scholar Link	: https://scholar.google.com/citations?user=qxtzjFgAAAAJ&hl=en	
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ORCID	: https://orcid.org/0000-0002-6370-4190	
Publons Researcher ID	: https://publons.com/researcher/4959675/amit-chaudhari/	
Vidwan	: https://vidwan.inflibnet.ac.in/profile/338657	
Qualifications	PhD (Tech) (Mechanical Engg) University of Mumbai, Maharashtra, India. Thesis: Investigating Reliability Approach in Optimization of Casting Process Parameters. M.E. (Mechanical–CAD CAM) (8.42 CGP) PRMIT&R, Sant Gadge Baba Amravati University, Maharashtra, India. Thesis: Mono Composite Leaf Spring for Light Weight Vehicle - Design, End Joint Analysis and Testing. B.E. (Mechanical) (1st Class) PRMIT&R, Sant Gadge Baba Amravati University, Maharashtra, India.	
Additional Qualification/ Certifications	: Lean Manufacturing Expert MIJSC, Indian Institute of Management Bangalore.	
	: SAP MM certified trainer Seed InfoTech, SVKM Mumbai.	
Total Experience in Years	Teaching 17 Years 1. Assistant professor Dwarkadas J. Sanghvi College of Engineering, Vile Parle (West), Mumbai. From 2nd July 2012 to till date. 2. Lecturer Vidyavardhini's College of Engineering and Technology, Vasai, Palghar. From 2nd August, 2010 to 30 June 2012. 3. Lecturer Atharva College of Engineering, Malad (west), Mumbai. From 1st August, 2009 to 30th May, 2010.	

		Industry Trainee Engineer Kirloskar Electric Company Ltd., Bangalore, India. From 1st June, 2010 to 30th July, 2010.
Papers Published in Journal	:	- 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. https://doi.org/10.1007/978-981-15-4485-9_32 - Chaudhari, A., Vasudevan, H. (2022). "Reliability based design optimization of casting process parameters using Markov chain model." Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2022.04.189 - 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. https://doi.org/10.1007/978-981-19-7971-2_19 - 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. https://doi.org/10.1007/978-981-19-7971-2_59 - Mane, S.; Patil, R.B.; Kolhe, M.L.; Roy, A.; Kamble, A.G.; Chaudhari (2025).A. Analysis of Thermal Aspect in Hard Turning of AISI 52100 Alloy Steel Under Minimal Cutting Fluid Environment Using FEM. Appl. Mech. 2025, 6,26. https://doi.org/10.3390/applmech6020026 - Chaudhari, A., Vasudevan, H., Dr. Deshmukh, A. (2026). "Strategic Prioritization of Industry 4.0 Technologies in the Foundries for Achieving Sustainability," in the International Journal of Industrial and Systems Engineering, Inderscience Publishers. https://doi.org/10.1504/IJISE.2025.10074765 - Deo, A.; Kanani, P.; Chaudhari, A.; Sankhe, D.; Ravikumar, R.; Gandhi, M.; (2026). "Cross-Patient Memory Fusion for Seizure Detection with EEG Foundation Models" in the Journal of Intelligent Decision Making and Information Science. https://jidmis.org/index.php/jidmis/article/view/2901 - Dubey, A.; Jain, K.; Mishra, S.; Chaudhari, A.; Vartak, P.; Dabre, K.; Dodani, S.; Kanani, P. (2026). "Multi-Depth Feature Aggregation for

		Leukemia Cell Classification Using Hybrid CNNs” in the Journal of Intelligent Decision Making and Information Science. https://jidmis.org/index.php/jidmis/article/view/2910
Papers Presented in Conference	: 1.	Chaudhari, A., Thakare, S. (2012). “Mono Composite Leaf Spring: Modelling 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.
	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.
Subjects Taught	: UG Level:	Engineering Mechanics Engineering Graphics/Drawing Strength of Material CAD CAM CIM Finite Element Analysis Computer aided Engineering (CAE) Product Lifecycle Management Personal Finance Management Corporate Finance Management Operation Research Product Design and Development Rapid Prototyping Automobile Engineering Design for X Digital Twin
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).
Interaction with Professional Institutions	: 1.	External Audit for Department of Automation & Robotics at Vivekanand Education Society's Institute of technology.
	2.	Member of Internal Monitoring Committee at SVKM's Shri Bhagubhai Mafatlal Polytechnic.
	3.	Judge for technical paper presentation event “Oscillation” at Vidyavardhini's College of Engineering and Technology.
Projects Guided	: UG Level:	Guided over 50 live Industry projects in Manufacturing, Operations Management, and Design for VII semester In-plant training students of Production Engineering Department, enhancing student practical skills and industry exposure.

	Managed multiple projects in Innovative product development and final year projects in the mechanical engineering department, fostering innovation and enhancing student project outcomes.			
Recommended Students for Higher Education	:	More than 30 students for PG level Various Universities across USA, Canada, and Germany.		
Institute / Department Responsibility handled	:	a. Convener, Institute Level Time Table Committee.		
	b. Member of End Semester Examination Committee.			
	c. First Year Coordinator (Engineering Sciences).			
	d. Start-up Activity Coordinator under Institution's Innovation Council.			
	e. Member of Internal Quality Assurance Cell (IQAC).			
	f. Member of Institute level Sports Committee.			
	g. Member of Admission Committee.			
	h. Finance Chair, DJSCE Trinity.			
	i. First Year Orientation.			
	j. Engineering Drawing/Graphics Coordinator.			
	k. DJS RAS (Robotics and Automation Society) Coordinator			
	l. SAP Tutor for Material Management module.			
	m. UHV Coordinator.			
	n. Member of Institute AICTE’s EOA team.			
	o. Member of syllabus revision/ committee			
	p. Department IPD coordinator.			
	q. Member of OJT department committee.			
	r. Department NBA Criteria 3 and Criteria 7.			
	s. Engineering Mechanics Coordinator.			
	t. Member of NAAC committee from department.			
	u. Member of Autonomy Committee.			
	v. Production Department Value Added Program coordinator.			
	w. Production Department Industrial visits coordinator.			
	x. Production Department Alumni coordinator.			
	y. DJS Cycloid (ASME Human powered vehicle) Coordinator.			
	z. Production department website coordination..			
Pedagogy Development	:	<table><tr><td><u>YouTube channel</u></td><td>https://youtube.com/@amit_durlabh?si=p0Dx1BVmoDv_SNuW</td></tr></table>	<u>YouTube channel</u>	https://youtube.com/@amit_durlabh?si=p0Dx1BVmoDv_SNuW
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