

Name of Teaching Staff	: Rohitkumar Chaurasia	
Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Date of Joining the Institution	: 5 th January 2015	
Email ID	: Rohit.chaurasia@djsce.ac.in	
Office Contact	: 022-42335000 Ext-111248 https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=nbHqDNAAAAAJ	
Google Scholar Link	: https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=nbHqDNAAAAAJ	
Researchgate Link:	: https://www.researchgate.net/profile/Rohit-Chaurasia-2	
ORCID	: https://orcid.org/my-orcid?orcid=0000-0003-2837-9473	
Publons Researcher ID	: https://publons.com/dashboard/settings/profile/	
Qualifications with Class / Grade	1.Ph.D. (Pursuing) K J Somaiya School of Engineering 2..M.E. (Machine Design) J T Mahajan College of Engineering, North Maharashtra University , 69 % with First Class, Oct 2014. 3.B.E. (Automobile Engineering) Rajendra Mane College of Engineering and Technology ,University of Mumbai ,76% with First Class with Distinction, May 2009.	
Total Experience in Years	Teaching: Assistant Professor in VCET from 10-01-11 to 31-12-14 Assistant Professor in D.J. Sanghvi College of Engineering, From 05-01-2015 to till date. Industry: 1 year as Trainee engineer, at Central Institute of Road Transport (CIRT) Pune. 6 Month as a Service Advisor in Sai Service, Borivali East.	
Papers Published in Journal:	<u>National & International:</u> 1.Rohit Chaurasia “Bibliometric Analysis of Hydrogen-Powered Vehicle Safety and Reliability Research: Trends, Impact, and Future Directions” Hydrogen, https://doi.org/10.3390/hydrogen6020042	
Papers Presented in Conferences	1. Rohitkumar Chaurasia, M. J. Pawar, Ajay Gangrade “Numerical analysis of high energy impact on glass/carbon fiber reinforced composites using Abaqus” Technologies for Energy, Agriculture, and Healthcare. https://doi.org/10.1201/9781003773771 2. Rohit Chaurasia, Dhruvin Desai, Apoorva Dhimar, Chirag Bhadreshwara, and Saurabh Chauhan, Electric Skateboard Incorporating Foot Operated Ackerman Steering System. International Journal of Innovative Science and Research Technology. Volume 4, Issue 4, April – 2019, May– 2019. ISSN No:-2456-2165	

3. Siddharth Singi, Siddharth Gopal, Shashikant Auti, Rohit Chaurasia, "Reinforcement Learning for Inventory Management" Proceedings of International Conference on Intelligent Manufacturing and Automation pp 317-326, Springer, Singapore (2020), [DOI: 10.1007/978-981-15-4485-9_33](https://doi.org/10.1007/978-981-15-4485-9_33)
4. Dhairya DMehta, Omkar Atale, Tanvi Hodage, SMAuti, Rohit Chaurasia, "Design and Analysis of Onion Harvester", Proceedings of International Conference on Intelligent Manufacturing and Automation pp 691-697, Springer, Singapore (2020), [DOI: 10.1007/978-981-15-4485-9_69](https://doi.org/10.1007/978-981-15-4485-9_69).
5. Rohit Chaurasia, Ronak Karelia, Bhaumik Mehta, Rushabh Gupta, and Sandeep Kava, Optimization of Transmission of a Roll Forming Machine using a Planetary Gearbox. International Journal of Innovative Science and Research Technology. Volume 4, Issue 5, May– 2019. ISSN No:-2456-2165.

Area of Specialization	Machine Design
Professional Memberships	: 1- ISTE LM-125830 2- ISME
Grants fetched	: Minor Research Grant (University of Mumbai) 1. Generation of Tyre Pyrolysis Oil (TPO) and performance testing of it on Diesel Engine.
Subjects Taught	<u>UG Level:</u> 1. Machine Design-I 2. Machine Design –II 3. Design of Mechanical Systems 4. Mechanical Vibration 5. Theory of Machine 6. Automobile Engineering 7. CAD/CAM/CAE 8. Rapid Prototyping 9. Fundamentals of Business Development
Projects Guided	: <u>UG Level:</u> 1. Design and Analysis of Vertical Farming System 2. Fabrication of Autonomous Underwater Vehicle [AUV] 3. Design of autonomous underwater vehicle (AUV) 4. Prototyping of electromagnetic suspension 5. Design of elliptical gearbox for industrial application 6. Prototyping of a pressure controlled electric skateboard 7. Prototyping of an under-Water Surveillance Vehicle 8. Optimization of boiler efficiency 9. Design, optimization and analysis of helical coil spring. 10. Design and fabrication of an eddy current braking system
Recommended Students for Higher Education	<u>Name of the University/Industry Student</u> More than 30 students for PG level Various Universities across USA, Canada, and Germany
Institute/Department Responsibility handled:	1. Placement Co-Coordinator. 2. Timetable Coordinator. 3. Faculty Co-Ordinator SAE- Astra Team.

DESIGN REGISTRATION

- 1) Design No. - 471810-001
Date of Registration - 30/08/2025
Title - SPORTS PLAYING ROBOT
- 2) Design No. -471811-001
Date of Registration 30/08/2025
Title -VERTICAL SPINNER