


Name of Teaching Staff	:	Pavan Vilas Rayar	
Designation	:	Assistant Professor,	
Department	:	Dept. of Mechanical Engg. DJSCE	
Date of Joining the Institution	:	06 th Jan, 2016	
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Google Scholar Link	:	https://scholar.google.com/citations?user=j16C804AAAAJ&hl=en	
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Publons Researcher ID	:	https://publons.com/researcher/4475264/pavan-vilas-rayar/	
Qualifications with Class / Grade	:	<ul style="list-style-type: none"> • Doctor of Philosophy(phD), Pursuing - University of Mumbai • M. E. (Mechanical Engineering- CAD CAM and Robotics), 1st class, University Of Mumbai • B.E. (Mechanical Engineerng), 1st class with Distinction, BEC Bagalkote, Visveswaaiah Technological Univesity VTU- Belgavi 	
Total Experience in Years	:	<p>11 Years</p> <ul style="list-style-type: none"> • Assistant Professor, Mechanical Engineering Dept., Dwarkdas J. Sanghvi college of Engineering from 6th jan,2016 till date. • Lecturer, Mechanical Engineering dept., Vidya Vardhunis college of Engineering and Technology, Mumbai from 17th Jan, 2011 to 5th Jan, 2016. 	
Papers Published in Journal:	:	<ol style="list-style-type: none"> 1. Rayar, Pavan. "Design, Analysis, Prototyping and Testing of Aerofoils for High-Lift at Low Reynolds Number." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020. 2. Rayar, Pavan, et al. "Autonomous Real-Time Navigation Based on Dynamic Line and Object Detection." Proceedings of International 	

	<p>Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020.</p> <p>3. Talkar, Shamir, Amit Choudhari, and Pavan Rayar. "Design and Manufacturing of Compact and Portable Smart CNC Machine." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020.</p> <p>4. Talkar, Shamir, Amit Choudhari, and Pavan Rayar. "Building Envelope Optimization and Cost-Effective Approach in HVAC to Support Smart Manufacturing." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020.</p> <p>5. Gupta, Abhishek, et al. "Design and Analysis of Vertical Vacuum Fryer." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2019.</p> <p>6. Rayar, Pavan."Design Review and Analysis of Aerofoils for high lift at Low Reynolds number" International Journal of Innovations in mechanical and Automobile Engineering(IJIMAE), Vol1,issue6, pp.14-29</p>	
Papers Presented in Conferences	1. Presented a paper on "HYDROGEN IC ENGINES" in National level omomom Tech fest held at BVB Hubli from 4 th and 5 th Feb 2009.	
Area of Specialization	<ul style="list-style-type: none"> • CAD/CAM and Automation, Mchatronics, Industrial Automation 	
Other Notable industry interaction : NPTEL/ATAL Courses Completed	<ul style="list-style-type: none"> • Introduction To research (2018-19) • Metrology and Quality Engineering (12 Weeks) • Effective Engineering Teaching In Practice (4 Weeks) • One Week course on 3D Printing & Design ATAL Certificate omomom Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology Hyderabad during 15th -19th February 2019 • One Week course on Research Methodology: Tools and Techniques – II organized by Department, of mechanical Engineerng National Institute of technology Surat during February 1st -5 th , 2021. 	
PhD Guide ? Give field & University	: Field: University	NA

PhDs / Projects Guided	:	PhDs : Projects at Masters level:	NA
Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)	na
Professional Membership	:	02	<ul style="list-style-type: none"> Life Member of Indian Society of Manufacturing Engineers(ISME) Life Member of ISTE
Grants fetched	:	Minor Research Grant (University of Mumbai)	NA
Interaction with Professional Institutions	:	Guest Lectures: other Achievements and Responsibilities:	<ul style="list-style-type: none"> Been a Guest Lecture for the session “SAP in Management Information System” organised by Shri Bhagubai Mafatlal Polytechnique College Mumbai on 15th April 2019. Delivered Session on System Application organized by Shri Bhagubai Mafatlal Polytechnique College Mumbai on 20th April 2020
Subjects Taught		UG Level: CAD/CAM and Automation, Mechatronics, Industrial Automation, Kinematics of Machines, Finite element Analysis PG Level: Automation	
Projects Guided	:	UG Level: 14 in Number PG Level: NA	
Recommended Students for Higher Education		Name of student More than 41 students for PG level	University/Industry Various Universities across USA, Canada, Germany and Singapore

<p>Institute/Department Responsibility handled:</p>	<ul style="list-style-type: none"> • Robotics and Automation Society Student Chapter - Faculty Incharge • NISP Coordinator – Coordinator for National Innovation and Startup Policy, a MoE initiative. • Coordinator: ISTE Approved Short Term training program on Robotics and industrial Automation organized by mechanical Engg Dept. of Dwarkdas J. Sanghvi College of Engineering during the year 2018 • Organizing committee member: International Conference on Intelligent Manufacturing and Automation(ICIMA 2018) organized by Dwarkdas J. Sanghvi College of Engineering during the year 2018 • Organizing committee member: International Conference on Intelligent Manufacturing and Automation(ICIMA 2020) organized by Dwarkdas J. Sanghvi College of Engineering during the year 2020
<p>Pedagogy Development</p>	<p>Developed and published many videos on the subject Mechatronics with automation on YouTube.</p>