

RESUME

Mr. **PAVAN RAYAR**

Pavan Vilas Rayar
Assistant Professor,
Dept. of Mechanical Engg.
DJSCE



- Date Of Birth** : 23 Dec, 1988
- Educational Qualification** :
 - 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
- Areas of Interest** :
 - CAD CAM and Robotics, Strategic Manufacturing, Digital manufacturing
- Subjects taught undergraduate level** :
 - CAD/CAM and Automation, Mchatronics, Industrial Automation, Kinematics of Machines, Finite element Analysis
- Subjects taught postgraduate level** :
 - Logistis and Supply chain, New Product Design and development
- UG projects Guided** : 14
- Professional membership** :
 - Life Member of Indian Society of Manufacturing Engineers(ISME)
 - Life Member of ISTE
- Work Experience** :
 1. Assistant Professor, Mechanical Engineering Dept., Dwarkdas J. Sanghvi college of Engineering from 6th jan,2016 till date.
 2. Lecturer, Mechanical Engineering dept., Vidya Vardhinis college of Engineering and Technology, Mumbai from 17th Jan, 2011 to 5th Jan, 2016.
- National Publications** :
 1. Presented a paper on "HYDROGEN IC ENGINES" in National level

Tech fest held at BVB Hubli from 4th and 5th Feb 2009.

International Publications

- :
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 Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020.
 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.
 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.
 5. Gupta, Abhishek, et al. "Design and Analysis of Vertical Vacuum Fryer." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2019.
 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

Other Notable industry interaction NPTEL/ATAL Courses Completed

- :
- 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

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 Engineering National Institute of technology Surat during February 1st -5th , 2021.

Coursra Courses Completed International Publications

- :
- Intelligent Machining organized by University at Buffalo
 - Entrepreneurial Strategic Management organized by University of New Mexico
 - Digital Manufacturing & Design organized by University at Buffalo
 - Innovation Through Design: Think, Make, Break, Repeat organized by University of Sydney
 - Leadership and Emotional Intelligence organized by Indian School of Business

Programs/STTPS Organised/ Coordinated

- :
- **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

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