


<b><u>NAME OF THE FACULTY:</u></b>	Dr. Dipali K. Bhise.	
<b><u>DESIGNATION:</u></b>	Assistant Professor.	
<b><u>DEPARTMENT:</u></b>	Mechanical Engineering.	
<b><u>QUALIFICATION:</u></b>	<ol style="list-style-type: none"> <li>1. Ph. D in Mechanical Engineering . University of Mumbai.</li> <li>2. M.E Mechanical Engineering (Specialization in CAD CAM &amp; Robotics)-2015. University of Mumbai.</li> <li>3. B.E- Production Engineering-2007 University of Mumbai.</li> </ol>	
<b><u>TEACHING / ACADEMIC EXPERIENCE:</u></b>	<ol style="list-style-type: none"> <li>1. Assistant Professor (Mechanical Engineering). <b>July 2013- Present.</b> Fr. Conceicao Rodrigues College of Engineering Mumbai</li> <li>2. Assistant Professor (Production Engineering). August 2009 to June 2013. Shivaji Rao S Jondhale College of Engineering Mumbai</li> <li>3. Application Engineer at Dembla Valve Ltd, Thane January 2008 to Jan 2009.</li> </ol>	
<b><u>PUBLICATIONS:</u></b>	<ol style="list-style-type: none"> <li>1. Bhise, D. K., Patil, B. T., Shaikh, V. A et.al (2022). Comparative Economic Analysis and Investigation of Micro Lubrication Over Conventional Cooling in Manufacturing, EPPM-Journal (Scopus Index)</li> <li>2. Bhise D.K., Patil B. T., Shaikh V (2019) Micro lubrication: A way to enhance the machining operation. Industrial Engineering Journal,ISSN 0970-2555, <a href="https://doi.org/10.26488/IEJ.12.4.1169">https://doi.org/10.26488/IEJ.12.4.1169</a> (UGC Approved Journal as per UGC-Care List)</li> <li>3. Bhise, D. K., Patil, B. T., &amp; Shaikh, V. A. (2021). Air Assisted Atomization Characterization of Biodegradable Fluid Using Microlubrication Technique. In Materials Science Forum (Vol. 1019, pp. 211-217). ISSN NO: 0255-5476 <a href="https://doi.org/10.4028/www.scientific.net/MSF.1019.211">https://doi.org/10.4028/www.scientific.net/MSF.1019.211</a></li> </ol>	

	<ol style="list-style-type: none"> <li>4. Khatu, R. D., Patil, B. T., Bhise, D. K., &amp; Vaishnav, H. B. (2022). Design of a fixture for wire-cut EDM: A generic approach. <i>Materials Today: Proceedings</i>, 49, 2034-2041. <a href="https://doi.org/10.1016/j.matpr.2021.08.214">https://doi.org/10.1016/j.matpr.2021.08.214</a></li> <li>5. Bhise, D. K., Patil, B. T., Shaikh, V. A., &amp; Deshmukh, S. P. (2020). Investigating the microlubrication flow inside the nozzle using computational fluid dynamics. <i>Materials Today: Proceedings</i>, 27, 492-496. ISSN NO:2214-7853 <a href="https://doi.org/10.1016/j.matpr.2019.11.290">https://doi.org/10.1016/j.matpr.2019.11.290</a></li> <li>6. Bhise D..K., Patil B. T., Shaikh V.,, A Review of Micro Lubrication for Metal Working Process, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIE, Bhubaneshwar in association with SOA, ICIEIND– 2018.</li> <li>7. Patel, Vidhiksha, Dipali Bhise, Johny Xavier, Bharat Kumavat, Rakesh Lode, Karthik Pavaskar, and Divya Ramachandran. "Analysis of S-4180 using computational fluid dynamics." In 2017 International Conference on Advances in Computing, Communication and Control (ICAC3), pp. 1-4. IEEE, 2017. <a href="https://doi.org/10.1109/ICAC3.2017.8318776">DOI:10.1109/ICAC3.2017.8318776</a></li> <li>8. Dipali K Bhise, Bhushan T. Patil, Vasim A Shaikh., A Review of Semisolid Casting , International Conference on Manufacturing and Industrial Engineering – 2017 (ICMIE-2017), September 2017 Organized by Indian Institution of Industrial Engineering.</li> <li>9. Dipali K.Bhise, D.S.S.Sudhakar, HitendraB.Vaishnav,“ Analysis of CH10sm airfoil using computational fluid dynamics”, International conference on Advances in Computer, Communication, and Control 2003-04, ICAC4’15.</li> <li>10. Hitendra B. Vaishnav, D.S.S.Sudhakar, Dipai k.Bhise, “Effect of Front wing on racing car”, International conference on Advances in Computer, Communication, and Control 2003-04, ICAC4’15.</li> </ol>
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<p><b><u>Patent:</u></b></p>	<p><b>Designed Patent filed for following topics</b></p> <ol style="list-style-type: none"> <li>1. Amrutham: Atmospheric Water Extraction Based On Peltier Cooling Effect.( Application Id: 408521-001, Filled Date: 21/02/2024)</li> <li>2. Nozzle For Turning Operation (Design Patent Granted)</li> <li>3. Electrochemical 3d Printer (Application Id: 384637-001, Filled Date: 24/04/2023)</li> <li>4. 3D Printed and Flexible Artificial Mechanical Heart using Pneumatic Actuation for Hemodynamic Analysis.</li> </ol>
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	<p>(Application Id: 384499-001, Filled Date: 21/04/2023)</p> <p>5. Thin-Airfoil Based Turbine For Low Tidal Velocities (Application Id: 381629-001, Filled Date: 16/03/2023)</p>
<p><b><u>STTP/FDP/SEMINAR</u></b> <b><u>/TRAINING:</u></b></p>	<ol style="list-style-type: none"> <li>1. Training Program On “Innovation, IPR, Entrepreneurship and start-ups” Conducted by IIC of MHRD’s Innovation cell from From 28<sup>th</sup> April to 22<sup>nd</sup> may 2020</li> <li>2. One-week Faculty Development Program on “Innovation , Entrepreneurship and its Relevance in industry 4.0 practices in the post covid-19 situation” from May 25-29,2020.</li> <li>3. One-week Faculty Development Program on “Renewable Energy sources” May 15-21,2020.</li> <li>4. One-week Faculty Development Program on “Python” offered by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT,MHRD Govt, of India</li> <li>5. One-week Faculty Development Program on “LaTex” offered by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT,MHRD Govt, of India</li> <li>6. Two Day Faculty Development Program on "Hands on Training on Mechatronics’ System" from 19th and 20th August 2016.</li> <li>7. One-week ISTE approved STTP on "Energy Conservation and Auditing: Application to Industry" from 28thDecember 2015 to 2nd January 2016.</li> <li>8. One Week Faculty Development Program on "Digital Prototyping for product Design" From 6th July 2015 to 10thJuly2015.</li> <li>9. Participated in Seminar-cum-Project competition &amp; presented project titled "Analysis of airfoil using computational Fluid Dynamics" in Expanding Horizons in Manufacturing Sector held on 16th &amp; 17th March 2015, organized by ISME &amp; D.J. Sanghvi COE.</li> <li>10. Two Day Faculty Development Program on "Simulation of Manufacturing Systems" from 13th and 14th March 2015.</li> <li>11. One-week STTP Training on CFD Application &amp; Engineering Analysis using Software from 11th to 15th November 2013.</li> </ol>
<p><b><u>Other Information:</u></b></p>	<ol style="list-style-type: none"> <li>1. Internship Coordinator for Production Engineering from 2016-2023.</li> <li>2. Faculty Advisor for Team Vaayushastra From 2016.</li> <li>3. Faculty Advisor for ASME Council in 2023-24</li> </ol>

	<ol style="list-style-type: none"><li>4. Sports Coordinator for college students from 2019-20.</li><li>5. Involved in NBA and NAAC for SFR and Faculty data calculation etc.</li><li>6. Class Teacher.</li></ol>
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