


<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. Yashraj Pandit, Musavvir Hanure, Vedika Vartak, Dipali Bhise(2025). Comparative Analysis of Lithium-ION Arrangement using CFD, International conference on sustainable industry 4.0:innovations for a greener future, organized by D Y Patil Institute of Technology, Pune 11th and 12th April 2025.</li> <li>2. Vaidehi Kokare, Dipali Bhise(2025).Evaluation of Viscosity Models for Simulation of Airfoil Analysis,3rd ICMSEED-2025 organized by SKNSCOE,29 March 2025.</li> <li>3. 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>4. Bhise D.K., Patil B. T., Shaikh V (2019) Micro lubrication: A way to enhance the machining operation. Industrial Engineering</li> </ol>	

Journal,ISSN 0970-2555, <https://doi.org/10.26488/IEJ.12.4.1169>  
(UGC Approved Journal as per UGC-Care List)

5. Bhise, D. K., Patil, B. T., & 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  
<https://doi.org/10.4028/www.scientific.net/MSF.1019.211>
6. Khatu, R. D., Patil, B. T., Bhise, D. K., & Vaishnav, H. B. (2022). Design of a fixture for wire-cut EDM: A generic approach. Materials Today: Proceedings, 49, 2034-2041.  
<https://doi.org/10.1016/j.matpr.2021.08.214>
7. Bhise, D. K., Patil, B. T., Shaikh, V. A., & Deshmukh, S. P. (2020). Investigating the microlubrication flow inside the nozzle using computational fluid dynamics. Materials Today: Proceedings,27, 492-496.ISSN NO:2214-7853  
<https://doi.org/10.1016/j.matpr.2019.11.290>
8. 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 IIIE, Bhubaneswar in association with SOA, ICIEIND– 2018.
9. Patel, Vidhiksha, Dipali Bhise, Johney 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.  
[DOI:10.1109/ICAC3.2017.8318776](https://doi.org/10.1109/ICAC3.2017.8318776)
10. 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.
11. 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.
12. 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.

<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. (Application Id: 384499-001, Filled Date: 21/04/2023)</li> <li>5. Thin-Airfoil Based Turbine For Low Tidal Velocities (Application Id: 381629-001, Filled Date: 16/03/2023)</li> </ol>
<p><b><u>STTP/FDP/SEMINAR /TRAINING:</u></b></p>	<ol style="list-style-type: none"> <li>1. Eight-week NITTTR Module1: Orientation towards Technical Education and Curriculum, September 2024.</li> <li>2. Eight-week Completed NITTTR Module2: Professional Ethics and Sustainability, September 2024.</li> <li>3. Eight-week NITTTR Module4: Instructional Planning and Delivery, September 2024.</li> <li>4. Eight-week NITTTR Module5: Technology Enabled Learning and Life Long Self -learning, September 2024.</li> <li>5. Eight-week NITTTR Module6: Student Assessment and Evaluation, September 2024.</li> <li>6. One-week Faculty Development Program on “Faculty Patent Development Program” August 2023.</li> <li>7. 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>8. 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>9. One-week Faculty Development Program on “Renewable Energy sources” May 15-21,2020.</li> <li>10. 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>11. 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> </ol>

	<p>12. Two Day Faculty Development Program on "Hands on Training on Mechatronics' System" from 19th and 20th August 2016.</p> <p>13. One-week ISTE approved STTP on "Energy Conservation and Auditing: Application to Industry" from 28thDecember 2015 to 2nd January 2016.</p> <p>14. One Week Faculty Development Program on "Digital Prototyping for product Design" From 6th July 2015 to 10thJuly2015.</p> <p>15. 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.</p> <p>16. Two Day Faculty Development Program on "Simulation of Manufacturing Systems" from 13th and 14th March 2015.</p> <p>17. One-week STTP Training on CFD Application &amp; Engineering Analysis using Software from 11th to 15th November 2013.</p>
<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.</li> <li>4. Sports Coordinator for college students.</li> <li>5. Involved in NBA and NAAC for SFR and Faculty data calculation etc.</li> <li>6. Class Teacher.</li> </ol>