

## Dr.Nilesh Chandrabhan Ghuge

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Date of Birth : 4th April 1978

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[https://scholar.google.com/citations?user=RYxUI\\_IAAAAJ&hl=en&scioq=nilesh+ghuge](https://scholar.google.com/citations?user=RYxUI_IAAAAJ&hl=en&scioq=nilesh+ghuge)



### Professional Objective

To achieve excellence in the field of education using technical understanding and administrative acumen

### Academic Credentials

Course	Institute	University	Year	Class/ Grade
<b>PhD (Mechanical Engineering)</b>	<b>L.I.T Nagpur</b>	<b>R.T.M.N University, Nagpur</b>	<b>2018</b>	<b>Awarded</b>
M.E Mechanical (Design Engg)	P.R.E.C. Loni	Pune	2008	First Class
B.E (Mechanical Engineering)	P.R.E.C. Loni	Pune	1999	First Class
M.B.A (Marketing)	I.M.E.D, Pune	Pune	2002	First Class

### Employment Details

#### Teaching Experience

**19 Years (Teaching and Industry)**

#### Current Designation

- Associate Professor (Department of Mechanical Engineering)

#### Name of Employer

- Matoshri College of Engineering and Research Centre, Nashik**

#### Date of Joining: (current institute)

- 3<sup>rd</sup> June, 2011

#### Key Responsibilities

- Training and Placement Officer
- Coordinate with student, faculty and Industry in respect of students training and placement
- Assist the operations of Department
- Worked as Workshop Superintendent
- Editor of College Annual Magazine
- Participate actively in the institute's all activities of staff and student development activities
- Member- Syllabus Revision committee of Theory of Machine, Kinetics of Machinery, S.P.P.U, Pune University.
- Paper setter, Examiner, for TOM-I, TOM-II for Engineering, Pune University

#### Name of Employer

- Sir Visvesvaraya Institute of Technology, Nashik**

#### Designation

- Assistant Professor (Department of Mechanical Engineering)

#### Duration (Previous institute)

- 15<sup>th</sup> January 2003 to 2<sup>nd</sup> June 2011

#### Key Responsibilities

- Head of the MBA department (2008-2009)

	<ul style="list-style-type: none"> <li>▪ Set up the Mechanical Engg. Laboratories like Engg. Metallurgy, RAC</li> <li>▪ Member of different committees such as admission, publicity gathering</li> <li>▪ Paper setter, Examiner, for B.M.E. (Pune University)</li> <li>▪ Paper Setter and Examiner, Expert for Different Subjects at Y.C.M. Open University, Nashik</li> </ul>
<b>Name of Employer:</b>	▪ <b>Pravara Rural Engineering College, Loni</b>
<b>Designation</b>	▪ Lecturer (Department of Mechanical Engineering)
<b>Duration</b> (Previous institute)	▪ 20 <sup>th</sup> Feb, 2002 to 15 <sup>th</sup> January 2003
<b>Key Responsibilities</b>	▪ Participate actively in the institute's all activities of staff and student development activities
<b>Name of Employer:</b>	▪ <b>Shradha Road Rollers Pvt. Ltd, Nashik</b>
<b>Designation</b>	▪ Trainee Engineer
<b>Duration</b> (Previous institute)	▪ June 1999 to June 2000
<b>Key Responsibilities</b>	<ul style="list-style-type: none"> <li>▪ Development, Manufacturing of Road Rollers</li> <li>▪ Planning and Control of all activities</li> </ul>
<b>PG Teacher Recognition</b>	▪ PG Teacher Recognition, Mechanical Engineering, Savitribai Phule Pune University, Pune
<b>Research Interest</b>	▪ Minimum Quantity Lubrication, Cutting Fluids
<b>PhD Work Title</b>	▪ “Performance Evaluation of Vegetable oils as cutting fluids ”
<b>Honors &amp; Awards</b>	<ul style="list-style-type: none"> <li>▪ <b>Member of B.O.S, Mechanical and Automobile Engineering, S.P.P.U, Pune</b></li> <li>▪ <b>Lokmat Prerna Award-2020 for contribution in Teaching field</b></li> <li>▪ College Magazine “Abhirup” Editor –secured third position in S.P.P.U. Pune University-Editor of the magazine</li> <li>▪ First in Nandgaon Center in HSC Examination</li> <li>▪ First in school and ranked 36<sup>th</sup> in the SSC Board Exam.(10<sup>th</sup>)</li> </ul>
<b>Funded Research Projects:</b>	▪ Completed Minor Research project as principal investigator titled “A study of performance evaluation of different vegetable oils as cutting fluid using MQL in terms of Cutting force, temperature, tools wear and surface finish in turning, Savitribai Phule Pune University, Pune, BCUD Research Proposal 2012-14 Rs.1.8 lakh (Completed)
<b>Invited Talks</b>	▪ Delivered talk for Students at various Institute –Personality Development, Campus Placement

<b>NPTEL</b>	<ul style="list-style-type: none"> <li>▪ Successfully completed NPTEL online certification <ul style="list-style-type: none"> <li>▪ Understanding Design</li> <li>▪ Teaching and Learning in Engineering (TALE)</li> <li>▪ Stress Management</li> <li>▪ Research Writing</li> <li>▪ Outcome based pedagogic principles for effective teaching</li> <li>▪ Introduction to Research</li> <li>▪ Developing Soft Skills and Personality</li> <li>▪ NBA Accreditation and Teaching - Learning in Engineering (NATE)</li> </ul> </li> </ul>
<b>FDP</b>	<ul style="list-style-type: none"> <li>▪ Successfully completed NPTEL online AICTE approved FDP titled “Understanding Design - August to Sept 2019.</li> <li>▪ Successfully completed NPTEL online- AICTE approved FDP titled “Teaching And Learning in Engineering (TALE) - Febto March2019</li> <li>▪ Successfully completed Pune University Approved FDP titled “Research Methodology –June 2013</li> <li>▪ AICTE - ISTE sponsored self-financing online short term training programme on “ Outcome Based Education &amp; Accreditation ” held during May 2020</li> <li>▪ One week Faculty Development Program On “Scilab” From 24th May to 30th May 2020 in association with Spoken Tutorial, IIT Bombay</li> </ul>
<b>Coursera</b> Online Course Completed	<ul style="list-style-type: none"> <li>▪ Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360” -an online non-credit course authorized by Autodesk and offered through Coursera.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Tinkering Fundamentals: Motion and Mechanisms-an online non-credit course e authorized by Exploratorium and offered through Coursera</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Introduction to Thermodynamics: Transferring Energy from Here to There-an online non-credit course authorized University of Michigan</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Materials Science: 10 Things Every Engineer Should Know -an online non-credit course authorized by University of California, Davis</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Introduction to Basic Vibrations -an online non-credit course authorized by Korea Advanced Institute of Science and Technology (KAIST) and offered through Coursera.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Advanced Manufacturing Process Analysis -an online non-credit course authorized by University at Buffalo,The State University of New York</li> </ul>
	<ul style="list-style-type: none"> <li>▪ The 3D Printing Revolution -an online non-credit course authorized University of Illinois at Urbana-Champaign</li> </ul>
<b>Contribution in Curriculum Development</b>	<ul style="list-style-type: none"> <li>▪ Contribution in curriculum development at UG Engineering as a Member of B.O.S, Mechanical and Automobile Engineering, S.P.P.U, Pune</li> </ul>
<b>Association with Professional Societies</b>	<ul style="list-style-type: none"> <li>▪ Life Member of ISTE, New Delhi (LM 45527)</li> <li>▪ Life Member of Tribology Society Of India (LM 3897)</li> <li>▪ Life member of I.E. India M-1571642</li> </ul>

<b>Association with Conferences and Journals</b>	▪ Served as member Program Committee, Reviewer and Session Chair for various National and International Conferences.
<b>Conferences/Workshop/Seminars/ STTP attended</b>	15
<b>Publications:</b>	<a href="https://scholar.google.com/citations?user=RyxUI_IAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=RyxUI_IAAAAJ&amp;hl=en</a>
1.	Shrikant U. Gunjal, Sudarshan B. Sanap ,Nilesh C. Ghuge, Satish Chinchankar; An Experimental Investigation on Vegetable Oils as a Cutting Fluid under Minimum Quantity Lubrication: A Sustainable Machining Approach, <i>Journal of University of Shanghai for Science and Technology</i> ,Vol-23,Issue-4,Year-2021,pp-143-148,ISSN:1007-6735,
2.	Nilesh C. Ghuge, Dattatraya Palande, Ashish M. Mahalle, Pramod Belkhode; ,Minimum Quantity Lubrication-Alternative to Flood Cutting and Dry <i>Cutting</i> , <i>International Journal of Scientific Research in Science and Technology</i> ,Vol-8,Issue-2,Year-2021,pp245-253,ISSN:2395-6011
3.	<i>D.D.Palande, N.C.Ghughe</i> ; A Comprehensive Review on Karanja Oil as an Alternative Fuel for Diesel Engine, <i>Journal of University of Shanghai for Science and Technology</i> ,Vol-23,Issue-5,Year-2021,pp-663-669,ISSN:1007-6737
4.	Dangle Priyanka, Ghuge Nilesh C; ,Impact of <i>Magnetic</i> Field on Presentation of Refrigerator: A <i>Review</i> , <i>Journal of Advanced Research in Electrical Engineering and Technology</i> ,Vol-4,Issue-1,Year-2021,pp-1-5,
5.	Manik, Bachhav Vishal; Ghuge, Nilesh C; ,Evaluation on Enactment Development of Split Air-Conditioning System By Loop Heat <i>Pipe</i> , <i>Journal of Advanced Research in Modeling and Simulation</i> ,Vol-2,Issue-1,Year-2020,pp-23-29,
6.	More Tejashri N, Ghuge Nilesh C, Design & Investigation of Double Pipe Heat Exchanger with heat Transfer Enhancement using FDM Delta-Channel Winglet <i>Inserts</i> , <i>Journal of Advanced Research in Electrical Engineering and Technology</i> ,Vol-4,Issue-1,Year-2020,pp-1--8,
7.	Dangle Priyanka, Ghuge Nilesh C,Impact of Magntic Field on Presentation of Refrigerator: A Review, <i>Journal of Advanced Research in Electrical Engineering and Technology</i> ,Vol-4,Issue-1,Year-2020,pp-14-17,
8.	D.D.Palande, A.M.Mahalle, N.C.Ghughe, P.N.Belkhode; ,Optimization of Fin Spacing of Vertical Plate Fin Heat Sink in Natural <i>Convection</i> , <i>International Journal of Engineering and Advanced Technology (IJEAT)</i> ,Vol-9,Issue-1,Year-2019,pp-1020-1024,ISSN: 2249 – 8958,
9.	Priyanka A.Dangle, Dr. <i>N.C.Ghughe</i> , <i>Experimental</i> study of Effect of magnetic field on Refrigeration, <i>International Journal of Technical Innovation in Modern Engineering &amp; Science</i> ,Vol-5,Issue-7,Year-2019,pp-383-389,ISSN: 2455-2585
10.	More Tejashri N,Ghughe Nilesh C,Heat transfer enhancement of double pipe heat exchanger with FDM delta-channel winglet <i>inserts</i> , <i>International Journal of Engineering Development and Research</i> ,Vol-7,Issue-3,Year-2019,pp-395-404,ISSN: 2321-9939
11.	Sayli G Gokhale <sup>1</sup> , Nilesh C Ghuge <sup>2</sup> ,Performance Analysis of Refrigeration System using LPG and <i>Comparative</i> Energy Analysis With R134a Refrigerant, <i>Journal of Advance Research in Aeronautics and Space Science</i> , vol 6,Issue-3&4,Year-2019,pp-14-19,ISSN: 2454-8669
12.	Bodake Chaitalee, Ghuge NC; ,Experimental study of heat transfer enhancement of flowing water inside a circular tube having twisted tape <i>insert</i> , <i>International Journal of Advance Research in Science and</i>

	Engineering,vol -7,Issue-1,Year-2018,pp-410-422,ISSN-2319-8354
13.	Dangle Priyanka A, Ghuge NC, A Review on Effect of Magnetic Field on <i>Refrigeration</i> , <i>International Journal of Research in Engineering, Science and Management</i> ,Vol-1,Issue-11,Year-2018,pp-568-570,ISSN: 2581-5792
14.	More Tejashri N, Ghuge Nilesh C,A Review on Heat Transfer Enhancement of Double Pipe Heat Exchanger with FDM Delta-Channel Winglet Inserts, <i>International Research Journal of Engineering and Technology (IRJET)</i> ,Vol-5,Issue-12,Year-2018,pp-232-235,e-ISSN: 2395-0056
15.	Bachhav Vishal M, Ghuge NC, A Review on Performance Improvement of Split Air-Conditioning System Using Loop Heat Pipe, <i>International Journal of Research in Engineering, Science and Management</i> ,Vol-1,Issue-11,Year-2018,pp-706-713,ISSN: 2581-5792
16.	Prashant R. Satpute Dr. Nilesh C. Ghuge, Vikas S. Daund, Analysis of Performance and Thermal Efficiency of Air Heater by Using Passive Heat Transfer Enhancement Technique:-A Review, <i>International Journal of Advance Research and Innovative Ideas in Education</i> ,Vol-4,Issue-4,Year-2018,pp-245-249,ISSN: 2395-4396
17.	Jagtap Vivek D,Ghughe NC, Experimental Analysis Of Waste Heat Recovery From Condenser Of <i>Refrigerator</i> , <i>International Journal of Advance Research and Innovative Ideas in Education</i> ,Vol-4,Issue-4,Year-2018,pp-510-515,ISSN: 2395-4396
18.	Kakade Mangesh, Ghuge NC, Daund VS, Investigation of Heat Insulation Performance of <i>Aluminum Honeycomb Sandwich Panel</i> With and Without Composite Material for Square and Hexagonal Shape with Different Thickness, <i>international Research Journal of Engineering and Technology (IRJET)</i> ,Vol-5,Issue-2,Year-2018,pp-1646-1652,ISSN: 2395-0056
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20.	Ghughe Nilesh C, Mahalle Ashish M, Performance Evaluation of vegetable oils in Turning AISI 4130 under Minimum Quantity Lubrication using Artificial Neural Network, <i>International Journal of Latest Engineering Science (IJLES)</i> ,Vol-1,Issue-3,Year-2018,pp-5--15,E-ISSN: 2581-6659
21.	Ghughe NC, Mahalle AM, <i>Response Surface Methodology and Artificial Neural Network To Evaluate Tool Wear in MQL-Turning</i> , <i>Journal of Engineering and Technology (JET)</i> ,Vol-9,Issue-2,Year-2018,pp-1--13,ISSN: 2180-3811
22.	Kakade Mangesh, Ghuge NC; Thermal Analysis of Honeycomb Sandwich Panel, <i>International Engineering Research Journal</i> , Special issue,,Year-2017,PGCON-2017,ISSN 2395-1621
23.	Shelar Nilesh S, Patil SB, Ghuge NC, A Review on Earth-Air Heat Exchanger, <i>International Journal of Engineering Research &amp; Technology (IJERT)</i> ,Vol-5,Issue-2,Year-2017,pp-1--7,ISSN: 2278-0181, ICRTME – 2016, Conference Proceedings
24.	Sahane Yogesh V, Ghuge NC, Desale P S, A Review Paper on Performance Evaluation of Solar Still, <i>International Journal of Recent Trends in Engineering &amp; Research (IJRTER)</i> ,Vol-3,Issue-11,Year-2017,pp-27-33,ISSN: 2455-1457
25.	Satpute Prashant R, Ghuge N C, Sangale UV, Analysis of enhancement of heat transfer in water heater with fins, <i>International Engineering Research Journal</i> , Special Edition PGCON-MECH-2017, Issue-Special

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37.	Dusane BM,Ghughe NC, A Review On Solar Adsorption Refrigeration System,IOSR Journal of Engineering (IOSRJEN),Vol-6,Issue-11,Year-2016,pp-7--15,ISSN: 2250-3021
38.	Nilesh C. Ghughe, Dr.Ashish M. Mahalle, Comparative Study Of Different Vegetable Oil During Turning In Terms of Cutting Force And Power Consumption.,IJRDO-Journal Of Biological Science.,Vol-2,Issue-5,Year-2016,pp-90-94,ISSN: 2455-7676
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	Evaporative Cooling System, <i>International Engineering Research Journal (IERJ)</i> ,Special Issue-5,Issue-0,Year-2016,pp-519-529,ISSN 2395-1621,10.13140/RG.2.2.14176.94725
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41.	Pawar Rahul Dilip,Ghughe NC,Experimental Investigation of Vortex Tube with Double Inlet Nozzle, <i>International Engineering Research Journal (IERJ)</i> ,Special Issue,,Year-2016,pp-1158-1161,ISSN 2395-1621
42.	Ghughe Nilesh,Mahalle Ashish M, Experimental Investigation on the performance of soyabean oil and blasocut-4000 during turning of AISI 4130 in terms of cutting forces, <i>International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)</i> ,Vol-2,Issue-3,Year-2016,pp-330-333,ISSN : 2394-4099
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44.	Nilesh C. Ghughe Dr.Ashish M. Mahalle,I nfluence of Cutting Fluid on Tool Wear and Tool Life during Turning, <i>International Journal of Modern Trends in Engineering and Research (IJMTER)</i> ,Vol-3,Issue-10,Year-2016,pp-23-27,ISSN: 2348-9745DOI: 10.21884/IJMTER.2016.3078.9LPXS
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53.	Manoj Hajare, N.C.Ghughe, D.D.Palande; ,Heat Transfer and Pressure Drop Characteristics in Laminar and Turbulent Flow in a Circular Duct Fitted with Peripherally Perforated Twisted <i>Tapes</i> , <i>International Engineering Research Journal (IERJ)</i> ,,Special Issue 2,Year-2015,pp- 5374-5379,ISSN 2395-1621
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