

MR. VIVEK S. NARNAWARE

Assistant Professor

Department of Mechanical Engineering

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EDUCATIONAL QUALIFICATIONS

Sr. No	Qualification	Class	Year of Passing University	University
1.	M.Tech. (Industrial Engg	First Class 2004 VNIT Nagpur	2004	VNIT Nagpur
2.	B.E (Production Engg.)	First Class	2001	Nagpur

PROFESSIONAL CERTIFICATION

Sr. No	Certification
1.	Certificate course on Piping Engineering conducted by Piping Engineering Cell, IIT Powai, Mumbai during May 2007.
2.	Certificate course on Master Diploma in Modeling and Analysis at CADD Centre, Pune during January to September 2007 in softwares as AutoCAD, Pro-E, CATIA, MSC Nastran, Ansys.
3.	Online Certificate Course on Foundation Course on “Industrial Robotics and Low Cost Automation”, PMS Robotics, Research Centre Pune during 20 th June to 27 th June 2020
4.	NPTTEL Course on “Heat Treatment Processes – Part-II” in the year of 2017.

EXPERIENCE Total Experience: 14 Years Academic Experience: 12.5 Years

Sr. No.	Organization	Designation	Duration
1.	St. John College of Engineering & Management, Palghar	Assistant Professor	From 4 th July 2012 to till date.
2.	Dr. Babasaheb Ambedkar College of Engineering and Research, Wanadongri Nagpur	Lecturer	From 4 th July 2012 to 13 th June 2016
3.	Priyadarshini College of Engineering, Hingna Road Nagpur.	Asst. Professor	from 1 st June 2011 to 10 th April 2012
4.	Priyadarshini College of Engineering, Hingna Road Nagpur.	Lecturer	17 th July 2010 to 09 th April 2011
5.	Nagpur Institute of Technology, Katol Road Nagpur	Lecturer	8 th June 2009 to 20 th July 2010.

Industry Experience: 1.5 Years

Sr.No.	Organization	Designation	Duration
1.	Weld-Tech Engineers (I) Pvt, Ltd, Goregaon (East) Mumbai	Project Engineer	June 2008 to June 2009.
2.	Central Engineering Services, Thane.	Project Engineer	Jan 2008 to June 2008.

MEMBERSHIP OF PROFESSIONAL BODIES

1. Lifetime Membership of ISTE
2. Member of ISTE

AREAS OF INTEREST

1. Production Engineering
2. Industrial Engineering
3. Piping Engineering
4. Materials and Metallurgy
5. Rapid Prototyping
6. CNC and Robotics
7. CAD /CAM/CAE
8. Bio-materials and Tissue Engineering

RESEARCH

Journal Publications:	
1.	Research Paper on Environmental Monitoring on topic titled " A Survey on Environment Monitoring using Sensor, Asian Journal of Convergence in Technology, ISSN NO: 2350-1146 I.F-5.11, Volume VI Issue III,PP 95-99
2.	Research Paper presented in IEEE conference on Environmental Monitoring on topic A Survey on Environment Monitoring using Sensor organised by at on dated 6 th November 2020, Bangalore
3.	Research Paper on Robots with 6 Degrees of Freedom on topic Design, Fabrication And Testing of 6 DOF, Spot Welding Robotic Arm, International Journal of Scientific Development and Research (IJS DR), April 2018 IJS DR Volume 3, Issue 4,PP 314-318, (Journal Impact Factor:5.47)
4.	Research Paper on Biomaterials on topic "Metallic Biomaterials For HumanBody Implant: A Review Study",ISSN: 2455-2631, June 2017 IJS DR Volume 2, Issue 6,PP 220-229. (Journal Impact Factor:5.47)
5.	Research Paper on Solar Energy on topic "Solar And Wind Powered Hybrid Vehicle Prototype" in International Journal of Scientific Development and Research (IJS DR) ISSN: 2455-2631, April 2016 IJS DR Volume 1, Issue 4, PP 235-239(Journal Impact Factor:5.47)
6.	Research Paper presented in TechEd-15,an International Conference on Science, Technology and Mathematics Education on 22 nd April 2015, on topic "A Manufacturing of Super Enameled Copper Wire -A Technical Study". This paper is then published in International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Special Issue-1, June-2015, pp151-155, (Journal Impact Factor:2.56).

7.	Research Paper presented in TechEd-15,an International Conference on Science, Technology and Mathematics Education on 22 nd April 2015 on topic " Synthesis of Aluminium Nitride by Sol Gel Method". This paper is then published in International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Special Issue-1, June-2015, pp146-150, (Journal Impact Factor: 2.56).
8.	Paper published on topic "Use of Perforated Fins as a Natural Convection Heat Transfer- A Review" in International Journal of Current Engineering and Technology E-ISSN 2277 – 4106, P-ISSN 2347 – 5161. <i>International Journal of Current Engineering and Technology, Special Issue-2 (Feb 2014)</i> , (Journal Impact Factor: 2.1).
9.	Paper published on topic "Implementation of Reliability Centered Maintenance in Air Compressor Unit" in International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340 (Print),ISSN 0976 – 6359 (Online), Volume 5, Issue 1, January (2014), pp. 26-32 .(Journal Impact Factor : 7.5377)
10.	Paper published on topic" Optimization of Effective Parameter of Jatropha Biodiesel Using Taguchi Method and Performance Analysis Using CI Engine" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-3, Issue-5, October 2013, (Journal Impact Factor:3.48)

CONFERENCES/ PROCEEDINGS:

Research Paper Presentation :	
1.	Research Paper presented in IEEE conference on Environmental Monitoring on topic A Survey on Environment Monitoring using Sensor organised by at on dated 6 th November 2020, Bangalore
2.	Research Paper presented in TechEd-15,an International Conference on Science, Technology and Mathematics Education on 22 nd April 2015 on topic " Synthesis of Aluminium Nitride by Sol Gel Method". This paper is then published in International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Special Issue-1, June-2015, pp146-150, (Journal Impact Factor: 2.56).
3.	Paper published on topic "Use of Perforated Fins as a Natural Convection Heat Transfer- A Review" in International Journal of Current Engineering and Technology E-ISSN 2277 – 4106, P-ISSN 2347 – 5161. <i>International Journal of Current Engineering and Technology, Special Issue-2 (Feb 2014)</i> , (Journal Impact Factor: 2.1).
4.	Paper presented on topic "Powder Metallurgy and It's Applications in Various Fields" at all India Technical Symposium, a competition held under "BrainWaves-2014" sponsored by ISTE during March 13-14, 2014 at J.D. College of Engineering & Management, Nagpur.
5.	Paper presented on topic "Maintenance Technologies and Their Selection in a Plant" at all India Technical Symposium, a competition held under "BrainWaves-2014" sponsored by ISTE during 6.March 13-14, 2014 at J.D. College of Engineering & Management, Nagpur.
6.	Paper presented on topic "Review paper on Enhancement of Heat Transfer Forced Convection from Cylinder By Using Permeable fins" in 2 nd International Conference on "Recent Trends in Engineering & Technology"(ICRTET' 2013) held during 22 nd to 24 th February 2013 sponsored by IJEST at SNJB's LSKBJ College of Engineering , Neminagar, Chandwad, Dist Nasik, Maharashtra, India.

STTP/WORKSHOPS STTP/ WORKSHOPS PARTICIPATED: (demo)

Sr. No	Topic of STTP/Workshop	Organization	Duration
1.	Five Days Faculty Development Programme (FDP) on "Research Techniques and Sustainable Developments In Mechanical Engineering"	Department of Mechanical Engineering, St. John College of Engineering and Management, Palghar	29 th June to 3 rd July 2020
2.	One Week Faculty Development Programme on 'Research Opportunities in Advanced Manufacturing Processes'	Department of Mechanical Engineering, Bharati Vidyapeeth (Deemed To Be University), College of Engineering, Pune	22 nd June to 28 th June, 2020
3.	An Online One Week State Level Faculty Development Programm on "Emerging Trends in Refrigeration and Air-Conditioning"	Department of Mechanical Engineering, Rajarshi Shahu Maharaj Polytechnic, in association with ISHRAE Nashik Chapter. Nashik	8 th June to 12 th June 2020
4.	One week online Faculty Development Program, "Srujan-The way Ahead" based on "The Effective Techniques of Teaching and E-Commerce"	Saraswati Institute of Technology Kharghar, Navi Mumbai	1 st June to 5 th June 2020
5.	A One-week FDP on "Implementation and Simulation of Electrical Engineering Applications using PLECS Tool"	Department of Electrical and Electronics Engineering, Vaagdevi College of Engineering Bollikunta, Khila Warangal (Mandal), Warangal Urban-506 005 (T.S)	25 th to 29 th May 2020
6.	STTP on design validation of machine elements using ANSYS/ Solidworks	St. John College of Engineering. Palghar	3 rd -8 th July 2017.
7.	Attended two days workshop on LaTeX under ISTE Faculty Chapter	Organized by Computer Science & Engineering .Department. Dr. Babasaheb Ambedkar College of Engineering and Research (D.B.A.C.E.R), Nagpur.	29 th -30 th January 2016
8.	Organised and attended one week Short Term Training Program (STTP) on "Emerging Trends in Mechanical Engineering"	Department of Mechanical Engineering, Dr. Babasaheb Ambedkar College of Engineering and Research (D.B.A.C.E.R), Nagpur.	27 th April-02 nd May 2015
9.	Attended Two day workshop on "Advances in Explosive and Propellants (AEP-2015)"	Department of Chemical Engineering, Visvesvaraya National Institute of Technology (V.N.I.T), Nagpur.	17 th -18 th April, 2015
10.	Attended one week Short Term	Department of Applied Physics,	18 th -22 nd , December

	Training Program (STTP) on "Material Synthesis to Diverse Applications (MSDA-2014)"	Visvesvaraya National Institute of Technology (V.N.I.T), Nagpur.	2014
11.	Attended Short Term Training Program (STTP) on "Recent Advancement in Manufacturing Technology"	Department of Mechanical Engineering, Dr. Babasaheb Ambedkar College of Engineering and Research (D.B.A.C.E.R.), Nagpur.	16 th to 20 th June 2014
12.	Attended Two day workshop on "Application Oriented Microcontroller "	Department of Electrical Engineering, Dr. Babasaheb Ambedkar College of Engineering and Research (D.B.A.C.E.R.), Nagpur.	22 nd to 23 th June 2014
13.	Attended one week Short Term Training Program (STTP) on "Research Methodology Including Mathematical Modeling, Computer Applications and Simulation" A prerequisite for fulfillment of Ph.D.	Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur	Conducted during 26 th to 31 st December 2013
14.	Attended Two day workshop on "E- Foundry : Casting, Design and Simulation"	CAD-CAM Centre, Department of Mechanical Engineering , Visvesvaraya National Institute of Technology (V.N.I.T), Nagpur.	13 th -14 th , December 2013
15.	Attended Three day workshop on "Emerging Trends and Applications of Solar Systems", sponsored by AICTE	Department of Electrical Engineering Yeshwantrao Chavan College of Engineering (Y.C.C.E.), Nagpur.	5-6 December 2013,
16.	Attended Three day "Workshop on Engineering graphics Using AutoCAD.	Department of Mechanical Engineering, Yeshwantrao Chavan College of Engineering (Y.C.C.E.), Nagpur.	Conducted during 2 nd to 4 th January 2013
17.	Attended One week short term training course on "Qualitative and Quantitative Approach to Enhance Teaching - Learning Process", approved by ISTE.	Dr. Babasaheb Ambedkar College of Engineering and Research (D.B.A.C.E.R.), Nagpur.	3 rd December to 8 th December 2012
18.	Attended Five day "Mission 10X workshop"	Priyadarshini College of Engineering Nagpur.	28 th November to 2 nd December 2011
19.	Two day workshop on Faculty Development Program (FDP)	Nagpur Institute of Technology (N.I.T.), Nagpur.	3 rd and 4 th June 2010.
20.	Attended One day workshop on- "Excellence in Engineering Teaching" sponsored by Indian Society for Technical Education (ISTE).	Gurumanak Institute of Engineering and Technology (G.N.I.E.T), Nagpur	1 st August 2009.

STTP/WORKSHOPS CONDUCTED:

Sr. No.	Topic of STTP/Workshop	Organization	Duration
1.	Workshop on CNC Mill Simulation and Machining	Department of Mechanical Engineering, St. John College of Engineering & Management, Palghar	Year 2016-17
2.	Workshop on Rapid Prototyping	Department of Mechanical Engineering, St. John College of Engineering & Management, Palghar.	Year 2016-17

PROJECTS

Projects Guided:

- 1) Design and fabrication of Surface Cleaning Robot (AY 2019-20)
- 2) Design And Development of Prototype Of Robotic Sensor Network For Closed Farming Environment Monitoring (AY 2019-20)
- 3) Design And Fabrication of Surveillance Robot (AY 2018-19)
- 4) Design and Fabrication of Salvage Cleaning Robot (AY 2018-19)
- 5) Design and Fabrication of Spray Painting Robot with Six Degrees of Freedom (AY 2018-19, Received MRP Grant from University of Mumbai)
- 6) Design and Fabrication of Soldier Assisted Robot (AY 2018-19)
- 7) Design and Fabrication of Spot Welding Robot With Six Degrees Of Freedom (AY 2017-18)
- 8) Design and Fabrication of Fire Fighting Robot (AY 2017-18)
- 9) Design and Fabrication of Spot Welding Robot With 4 Degrees of Freedom (Year 2016-17)
- 10) Design and Fabrication of Spot Welding Robot (Year 2016-17)
- 11) Solar and Wind Power Battery Vehicle (Year 2015-16)