

Name: Prof. Madhavi S. Harne

Designation: Assistant Professor

Department: Mechanical Engineering

Email: msharne11@gmail.com

Phone Number: 9021903097

Teaching Experience: 25 years

Qualifications:

Sr.No.	Course	Name of University/Institute	Year
1.	M.E.	Dr. BAMU	2004
2.	B.E.	MARATHWADA University	1994

Teaching Responsibility:

Subjects Taught at UG level: mechanical measurement, mechatronics, Machine design

Subjects Taught at PG level: Robotics and automations

Additional Responsibility: Robocon faculty adviser, AISHE nodal officer,

Publications:

Sr. No.	Name of Author	Topic Name	Publication/ Conference	Publication/ Conference	Date
1.	Umakant Suryakant Landage ¹ , M. S. Harne ²	Porosity Analysis and Optimization of Casting Process Parameters using Simulation Software for Sand Casting	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 8 Issue XI Nov 2020
2.	Milind A. Pelagade	Multi-objective Optimization	Springer Proceedings in Energy	Springer Proceedings in Energy	01 May 2020



	Madhavi S. Harne Ramakant Shrivastava	of Performance and Emissions Characteristics of CI Engine Using Cottonseed Oil as an Alternative Fuel			
3.	Rohini U. Kendre ¹ , M. S. Harne ² , Dr. S. B. Chikalthankar ³ , Laxmi Donode ⁴	Analysis of Casting Defects using Simulation Software	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 7 Issue VI, June 2019
4.	Muballigh F. Mohammad ¹ , Prof. Madhavi S. Harne ²	Experimental Investigation and Optimization of Wear Characteristics of Cerium Oxide (CeO ₂) Nanoparticle Based Nanolubricant under Boundary Lubrication Condition	International Research Journal of Engineering and Technology (IRJET)	International Research Journal of Engineering and Technology (IRJET)	Aug 2018
5.	Puja More ¹ , Vivek Ahire ² , Prof. M. S. Harne ³ , Dr. S. A. Patil ⁴	Optimization of Wear Behaviour of Cryogenically Treated H13 Tool Steel Material under Dry Sliding Condition	International Research Journal of Engineering and Technology (IRJET)	International Research Journal of Engineering and Technology (IRJET)	June-2018

6.	Milind Pelagade1, MadhaviS. Harne2, Ramakant Shrivastava3	A. Dr.	Determining the Effect of Process Parameters on Surface Finish in CNC Turning	International Journal of Scientific Research in Science and Technology	International Journal of Scientific Research in Science and Technology	October 2017
7.	Milind Pelagade1, MadhaviS. Harne2, Ramakant Shrivastava3	A. Dr.	Performance Evaluation of CI Engine using Karanja Biodiesel as an Alternative Fuel	International Journal of Scientific Research in Science and Technology	International Journal of Scientific Research in Science and Technology	15 August 2017
8.	Sanket Mahadik1, Madhavi S.Harne2, Sunil A. Patil3	P. Prof. Dr.	Study on Effect of Austempering Temperature and Time on the Corrosion Resistance of Carbide austempered Ductile iron (CADI) Material	IJSRD - International Journal for Scientific Research & Development	IJSRD - International Journal for Scientific Research & Development	Vol. 4, Issue 10, 2016
9.	Prof M. S. Harne V. N. Dudhate		A Review on Various Manufacturing Techniques of Composite of Al and CNT	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 5 Issue 03, March-2016
10.	Sujeet Chaudhari Prof. M. S. Harne	G.	Study on Effect of Austempering Temperature and Time on the Corrosion Resistance of Carbide austempered	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 4 Issue 10, October-2015

		empered Ductile iron (CADI) Material			
11.	Mahendra Pawar1, Prof.MadhaviHarne2 , Dr. Sunil Patil 3	Effect Of Microstructure On Wear Behavior Of Carbide Austempered Ductile Iron (Cadi)	International Journal Of Advance Research In Science And Engineering IJARSE	International Journal Of Advance Research In Science And Engineering IJARSE	August 2015
12.	S. S. Sathe1, M. S. Harne2	Optimization of Process Parameters in Tig Welding of Dissimilar Metals by Using Activated Flux Powder	International Journal of Science and Research (IJSR)	International Journal of Science and Research (IJSR)	Volume 4 Issue 6, June 2015
13.	1.Prof M.S.Harne 2.Ravikumar L.Shirsat	Optimisation of end milling parameters on surface roughness of die steel HCHCr by taguchi method	International Journal of Science and Research (IJSR)	International Journal of Science and Research (IJSR)	Vol.4 Issue 1, Jan 2015
14.	Apurva A Kulkarni Prof. Madhavi S. Harne Atul Bachal	Study of Vortex Shedding Behind Trapezoidal Bluff Body by Flow Visualization Method	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 3 Issue 9, September- 2014
15.	Rahul Thombre1, M.S.Harne2	Experimental Investigation of Surface Quality of SS-304 in CNC Turning – A	International Journal Of Scientific Research And Education	International Journal Of Scientific Research And Education	September-2014

		Literature Review.			
16	1. Prof M.S.Harne Manish Dandge	OVAT analysis for surface finish in CNC Turning	International Journal of innovative Technology and Exploring engineering (IJITEE)	International Journal of innovative Technology and Exploring engineering (IJITEE)	Vol.4 Issue 3, August 2014
17	1.Prof.M.S.Harne 2.Rahul Thombre	Investigation of surface roughness of SS304 using damper in CNC Turning	International Journal of Emerging Engineering Research and technology(IJ EERT)	International Journal of Emerging Engineering and technology(IJEERT)	Vol.2 Issue 4 July 2014
18	Rajni B. Kinalkar, M.S. Harne	A Review on Various Cooling System Employed in Grinding	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	June 2014
19	Manish M. Dandge Prof. M. S. Harne	Determining the Effect of Process Parameters on Surface Finish in CNC Turning	International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12,	International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12,	December - 2013
20	1.P.S. Chavan 2.Prof. M.S. Harne	Effect of Honing Process Parameters on Surface Quality of Engine Cylinder Liners	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 2 Issue 4, April 2013
21	1. R.U. Shingarwade Prof. M.S. Harne	Effect of Reaming Process Parameters on Surface Roughness Using	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 2 Issue 4, April 2013

		Taguchi Method			
22	1. I.M. Quarishi Prof. M.S. Harne	Fatigue Strength and Residual Stress Analysis of Deep Rolled Crankshafts	International Journal of Engineering & Technology	International Journal of Engineering & Technology	Vol. 4 Issue 6, Jan 2013
23	1. I.M. Quraishi 2. Prof. M.S. Harne	Stress Analysis and Optimization of Crankshaft under Dynamic Loading	International Journal of Mechanical Engineering & Technology (IJMET)	International Journal of Mechanical Engineering & Technology (IJMET)	Vol. 3 Issue 3, Sep.-Dec. 2012
24	1. Prof. M.S. Harne 2. K. V. Nemade	Mechatronics Engineering as Undergraduate degree course – the evolution, the need and challenges	III rd National conference at Thaper University, Patiala	III rd National conference at Thaper University, Patiala	14-15 Nov, 2008
25	1. Prof. M.S. Harne 2. K. V. Nemade	Mechatronics Considerations in the design of Micro Air Vehicles	International Conference at Parshvanath College of Engineering	International Conference at Parshvanath College of Engineering	18 Jan 2007
26	1. K. V. Nemade Prof. M.S. Harne	Design Consideration in Gasifier Design	National Conference on Integration of Conventional and Nonconventional Energy” at LNCT Bhopal	National Conference on Integration of Conventional and Nonconventional Energy” at LNCT Bhopal	8 Oct. 2006
27	1. K. V. Nemade Prof. M.S. Harne	Producer gas as a fuel for I.C. Engine	“National Conference on Integration of Conventional and Nonconventio	“National Conference on Integration of Conventional and Nonconventional Energy” at LNCT Bhopal	8 Oct. 2006

			nal Energy” at LNCT Bhopal		
28	1. K. V. Nemade 2. Dr. W. Z. Gandhare M.S. Harne	Biomass Gasification- a sustainable Source of Energy for Rural India	All India seminar, on “Non-conventional Energy Sources” organized by Institute of engineers India at Nagpur	All India seminar, on “Non-conventional Energy Sources” organized by Institute of engineers India at Nagpur	27 Jan 2006
29	1. K. V. Nemade Prof. M.S. Harne	Failur Mode Effect Analysis of Kick-shaft assembly of a 4-s Engine	National Conference at Parshvanath College of Engineering, Thane	National Conference at Parshvanath College of Engineering, Thane	18 Nov. 2005
30	Prof. M.S. Harne	Optimum Design of Helical Springs using Evolutionary Algorithms	National Conference at Parshvanath College of Engineering, Thane	National Conference at Parshvanath College of Engineering, Thane	18 Nov. 2005
31	Apurva A Kulkarni Prof. Madhavi S. Harne Atul Bachal	Study of Vortex Shedding Behind Trapezoidal Bluff Body by Flow Visualization Method	International Journal of Engineering Research & Technology (IJERT)	International Journal of Engineering Research & Technology (IJERT)	Vol. 3 Issue 9, September- 2014

Memberships and Affiliations:

Sr. No.	Organization	Type of membership
1	ISTE	Life Member
2	Institution of Engineers	Life Member