

BIODATA

Name: Gurule Nanasaheb Baburao

Date of Birth: 01ST June 1973

E-mail: nbgurule@kkwagh.edu.in

Contact No: 09922626734

Office: Associate Professor, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Amrutdham, Panchavati, Nashik - 422003.



Residence: Om Shri Sarvanand Niwas, Plot no. 24, Saraswati Nagar, Amrutdham, Panchavati, Nashik - 422003.

Educational Qualification:

Sr. No.	Degree	Specialization	Name of the Institution/College/University	Year	Class
1	Ph.D.	Production Engineering	K. K. Wagh Institute of Engineering Education and Research, Nashik-3	2017	Completed
2	M. Tech.	Manufacturing Engineering	Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra.	2006	71% Distinction
3	B.E.	Production Engineering	K. K. Wagh College of Engineering, Nashik-3	1995	61% 1 st Class

Experience: (Teaching and Industrial)

Sr. No.	Name of Organization	Designation	From	To
	K. K.Wagh IEE & R, Nashik-3	Associate Professor	1 st April 2012	Till Date
2	K. K.Wagh IEE & R, Nashik-3	Asst. Professor	19 th Sept. 2008	31 st Mar. 2012
3	K. K.Wagh IEE & R, Nashik-3	Senior Lecturer	1 st July 2007	18 th Sept. 2008
4	K. K.Wagh College of Engineering, Nashik-3	Lecturer	7 th Nov. 1998	31 st Jun 2007
5	Aqua Bearing (I) Ltd., Sinnar, Nashik.	Senior Production Engineer	Aug. 1996	6 th Nov. 1998.
6	XLO India Ltd. MIDC Satpur, Nashik	Trainee Engineer	April 1996	Aug. 1996

Approval details:

Organization	Designation	Institute Appointment Order Details	University approval Details
K. K. Wagh I. E. E. & R, Nashik-3	Associate Professor	KKWES/Engg/1387/2012 03/04/2012	-----
K. K. Wagh I. E. E. & R, Nashik-3	Assistant Professor	KKWES/Engg/3562/2008 Dtd: 19/09/2008	CCO/Approval(Camp)/110; 24/9/2008
K. K. Wagh I. E. E. & R, Nashik-3	Senior Lecturer	KKWES/Engg/1114/5/2007; 30/07/2007	-----
K. K. Wagh College of Engg., Nashik-3	Lecturer	KKWCOE/APPOINT/2046 /98 04/11/1998	CCO/ Dtd: 19/1/1999

Other Experience:

1. Asst. CAP Director, SE CAP Nov./Dec. 2013 at KKWIEER, Nashik.
2. Data Entry Officer for Central Assessment Program of First year Engg. (FE-CAP) of Pune University at K. K. Wagh IEER, Nashik during 13th May to 20th July 2011
3. Sr. Supervisor for UG Pune University Exams. May/June 2012.
4. Subject Chairman, paper setter, Internal/External examiner (Oral/Practicals)
5. Staff coordinator for students activities of Prayas and Swapnapurti NGO
6. NSS activity: a) Assistant Programme Officer: from 2004 to 2007
b) Programme Officer: from AY 2008-09 to AY 2016-17
7. Seminar coordinator TE Prod. 2005-06 and 2008-2009 Batch
8. Project Coordinator BE Prod. 2006-07 Batch
9. Faculty for "Work Management Programme" at M and M, Igatpuri and Nashik Plant in the year 2008 and 2010 resp.
10. Class coordinator: a) SE Prod. From AY 2013-14 to AY 2016-17
b) TE Prod. From 2007 to 2012
11. Faculty for B. Tech. Course of YCMOU study centre at K KW IEER, Nashik.
12. Head, Discipline Committee of Annual Gathering from 2009 to 2011.
13. Organizing committee member of ICMAX2017

Recognition:

Approved PG teacher and guide (Production Engineering) of Savitribai Phule Pune University, Pune

Professional Memberships:

1. Life Member of ISTE: LM 35210 dt. 10th Jan. 2003
2. Life Member of IPE: LM 1160 dt. 18th Aug. 2006
3. Life Member of IIE: dt. 1st Oct. 2010
4. Life Member of the Institution of Engineering and Technology: MIET 1100572570

Achievements and Honors

1. Received “Nashik district Best NSS Program Officer” award from Savitribai Phule Pune University for AY 2016-17.
2. Received Research grant of Rs. 3,00,000/- (Rs. Three Lacs) from B.C.U.D., University of Pune for research project titled as: “Development of Powder Mixed Electrical Discharge Machining (PMEDM) System for nanometric surface finish of hard-to-machine metals: an Experimental Study”.
3. Delivered expert lectures on various topics such as: Nanotechnology, Composite Materials, Advance Material Handling Equipments at Mahavir Polytechnic, K. K. Wagh Polytechnic, K. K. Wagh Women’s Polytechnic and Gurukul polytechnic, Nadgaon.
4. Received Certificate of Merit for achieving 100% result in Pune University theory examination in the year 2007-08 in the subject Material Handling and Equipment Design of BE (Production Engineering)

Publications in National / International Journals:

1. **Gurule N. B.**, Nandurkar K. N. (2012), “Effect of Tool Rotation on Material Removal Rate during Powder Mixed Electric Discharge Machining of Die Steel”, International Journal of Emerging Technology and Advanced Engineering, Vol. 2, Iss. 8, pp. 221-228.
2. **Gurule N. B.**, Pansare Sameer (2011), “Potentials of Micro EDM”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN(e) : 2278-1684, ISSN(p) : 2320–334X

Publications in National / International Conferences:

1. **Gurule N. B.**, Nandurkar K. N., Shete Manohar, (2017), “Performance Improvements in Sinking Electric Discharge Machining using Powder Mixed Dielectric” Proc. of the International Conference on Manufacturing Excellence (ICMAX-2017), pp. 172-178.
2. **Gurule N. B.**, Nandurkar K. N., Jitendra Chavan (2017), “Multi-Response Optimization of Powder Mix Electrical Discharge Machining of Cobalt bonded Tungsten Carbide Using Grey Relation analysis”, Proc. of the International Conference on Manufacturing Excellence (ICMAX-2017), pp. 558-563.
3. **Gurule N. B.**, N. J. Rathod (2017), “Fasteners Quality Improvement through Defects Identification and Analysis Using Taguchi DOE”, Proc. of the International Conference on Manufacturing Excellence (ICMAX-2017), pp. 580-590.
4. **Gurule N. B.**, Nandurkar K. N., Jitendra Chavan (2016) “Optimization of Rotary Tool Powder Mixed Electrical Discharge Machining Parameters for Tungsten Carbide Using Taguchi

Technique”, Proceeding of International Conference on Materials, Manufacturing and Design Engineering, Lonere, Raigad, Maharashtra.

5. **Gurule N. B.**, Nandurkar K. N. (2016), “Multi Response Optimization of Powder Mixed EDM Process Parameters by Grey Relational Analysis” Proceeding of International conference on Modern Era Research in Mechanical Engineering, RIT, Islampur, Sagali, Maharashtra, pp. 439-447.
6. **Gurule N. B.**, Shete P. C., Nandurkar K. N. (2014), “Experimental Investigations of Powder Mixed Electric Discharge Machining with Rotary Tool on Machinability of Die Steel” Proceeding of 3rd International conference on Recent Trends in Engineering, Chandwad, Maharashtra, pp. 113-122.
5. **Gurule N. B.**, Rathi Srineeth, “Development of an Expert System for Fatigue Design of Weld Joints”, National Conference on Industrial Engineering and Technology Management, NCIETM – 2014, NITIE, Mumbai.
6. **Gurule N. B.**, Nandurkar K. N. (2012), “Realizing Potential of Powder Mixed Electric Discharge Machining with Rotary Tool for Die Steel using Taguchi Method”, 4th International and 25th All India Manufacturing Technology, Design and Research (AIMTDR) Conference at Jadavpur University, Kolkata.
7. **Gurule N. B.**, Nandurkar K. N. (2011), “Experimental Investigation of Powder Mixed Electric Discharge Machining for Die Steel Machinability with Rotary Tool”, International Conference on Precision, Meso, Micro, and Nano Engineering, Pune, Maharashtra.
8. **Gurule N. B.**, Nandurkar K. N. (2010), “Development of Powder Mixed Electrical Discharge Machining (PMEDM) System for nanometric surface finish of hard-to-machine metals” Regional Conference for Pune University College Teachers “Innovation-2010” PDVVP COE, Ahmednagar, Maharashtra.
9. **Gurule N. B.**, Nandurkar K. N., Shinde R. A. (2009), “Powder Mixed Electrical Discharge Machining (PMEDM): A New Process for Precision and Productivity” National conference on Emerging trends in Mechanical Engineering, MIT, Aurangabad, Maharashtra .
10. **Gurule N. B.**, Nandurkar K. N. (2009), “Development of Powder Mixed Electric Discharge Machining (PMEDM) System” Innovation-2009, Poster presentation at CoE, Sangamner, Maharashtra.

11. **Gurule N. B.**, Nandurkar K. N. (2008), "Current Developments in Powder Mixed Electrical Discharge Machining (PMEDM) Process for Precision, Productivity and Stability: A Review" International Conference on Advances in Mechanical Engineering (ICAME-2008), SVNIT, Surat, Gujrat.
12. **Gurule N. B.**, Pansare Sameer, "Experimental Investigation of micro drilling using micro EDM on hard to cut metals, International Conference on Recent Trends in Engineering and Technology, Nashik.
13. **Gurule N. B.**, Pansare Sameer, "Parametric optimization of micro EDM process parameters by multi objective approach, National conference on mechanical engineering, material sciences and mechatronics, Pune.
14. **Gurule N. B.**, Bhad Nitin, "Optimization of process parameter for Resistance Spot welding process by application of Taguchi method" International conference on recent trends in Engg. Science, Nashik, Nov. 2013.
15. **Gurule N. B.**, Bhad Nitin, "Application of Multi-Objective Taguchi method for optimization of Process parameter for resistance spot welding process, in International Conference on Recent Trends in Engineering Sciences ICRTS'14 supported by Elsevier.
16. **Gurule N. B.**, Sanap Vikas, "Application of Multi-Objective Taguchi method for optimization of Process parameter for EILD Grinding process", in International Conference on Recent Trends in Engineering Sciences ICRTS'14 supported by Elsevier.
17. **Gurule N. B.**, Sanap Vikas, "Optimization of process parameter for ELID grinding process using Taguchi method" International conference on recent trends in Engg. Science, Nashik, Nov. 2013.
18. **Gurule N. B.**, Pingle Mangesh, "Optimization of Pressure Vessel Using Taguchi Method", International Conference on Recent Trends in Engineering Science; 15-16 March 2014, Nashik.
19. **Gurule N. B.**, Ranade Pankaj "Experimental Investigation of Burr Height, Cylindricity and Surface Roughness in Step Drilling", National Conference on Mechanical Engineering, Materials Science and Mechatronics , 85-92.
20. **Gurule N. B.**, Patil P. P. "Optimization on delamination and cutting parameters during drilling on GFRP plastics based on Taguchi Method", International conference on computer science and Mechanical Engineering (ICCSME), Pune, Sept. 2013.

21. **Gurule N. B.**, Gagare Santosh, "Alumina Rod Extrusion with Vertical Press through Conical Die Entry', National Conference on Industrial Engineering and Technology Management 2014, organized by National Institute of Industrial Engineering, Mumbai.
22. **Gurule N. B.**, Umap Ashish, "Design and analysis of Composite patch repair to cracked metallic structure of aircraft using Taguchi method", international conference on Mechanical and Production Engineering (ICMPE), Nagpur, Jan. 2013.
23. **Gurule N. B.**, Dr. Nandurkar K. N., Dr. M. Sadaiah, Apl. 2007, "Nano Machining Techniques for Finishing Hard-to-Machine Materials" National Conference on Recent Developments & Futuristic Trends in Mechanical Engineering, SRCEM, Gwalior (MP), pp. 132-137.
24. **Gurule N. B.** Shabadkar P. K. Nandurkar K. N., Dec. 2006, "Experimental Investigations on EDM Using Taguchi Techique for Optimisation of Process Parameters" 1st International and 22nd AIMTDR, IIT Roorkee, pp. 891-896.
25. **Gurule N. B.**, Thakur D. G., Sept. 2006, "Experimental Analysis of Composite Patch Repair to Cracked Metal Structures of Aircraft", National Level Symposium on Recent Trends in Product Design, T&E Inst., Ichalkaranji, pp.27-32.
26. **Gurule N. B.**, P. K. Shahabadkar, Kunal Patil, K. N. Nandurkar, July 2006, "Experimental Investigations on EDM Using Taguchi Technique For Optimization of Process Parameters", Proceedings of the International Conference on Global Manufacturing and Innovation, CIT Coimbatore, pp. 345-351.
27. **Gurule N. B.**, M. Sadaiah, G.T. Nandwani, Jun. 2006 "Single Point Diamond Turning (SPDT): An Enabling Technology for Nano Surface Finish", International Conference on Nano Technology- Materials and Methods (CIT-Nanotech 2006) pp.115-119.
28. **Gurule N. B.**, Nandwani G. T., Feb. 2006, "Some Challenges in Nanomachining : an Overview" National Conference on Recent Advances in Manufacturing Technology, VEC, Chennai, pp.108-112.
29. **Gurule N. B.**, Chandgude S. B., 2005, "Gauging Systems for Press Brakes", 20th National Convention of Production Engineers, Nashik, pp.42-48.

Details of Workshops/Seminars/Industrial training Attended: 30

Sr. no.	Name of the course	Institute	Duration
1	Workshop on "Skill development courses on digital technology, design, creativity and innovation"	SPPU, Pune	29 April 2017
2	NSS Orientation Programme	Ahmednagar College, Ahmednagar	20-26 Mar. 2017
3	Workshop on "Soft Computing: Applications in Engineering"	K. K. Wagh IEER, Nashik-3	8-10 December, 2016
4	workshop on "Optimization aspects of Robotics and Computer Integrated Manufacturing"	K. K. Wagh IEER, Nashik-3	16-20 Jan 2016
5	Workshop on "Research Methodology: recent trends and application"	K. K. Wagh IEER, Nashik-3	11-12 April 2014
6	workshop on "Advanced Statistical methods for Tool & Die Design"	K. K. Wagh IEER, Nashik-3	13-14 Sept., 2014
7	Syllabus implementation workshop of S.E. Production Engineering	Sinhgad Collage of Engineering	21 th June 2013
8	Introduction to Research Methodologies	IIT, Bombay	25 th Jun to 04 th July 2012
9	Third Year Production Engg. Syllabus implementation workshop	AVCOE, Sangamner	15 th Jan 2011
10	Introduction and Applications of MATLAB in Engineering	IUCEE & K. K. Wagh IEER, Nashik-3	10-11 Feb. 2010
11	Advanced Engineering Optimization (ADOPT)	K. K. Wagh IEER, Nashik-3	1-2 Feb. 2010
12	Implementation of SE Production syllabus-2008 course workshop	Sinhgad CoE, Pune	31 st July 2009
13	Advanced Engineering Optimization through Intelligent Techniques'	S. V. N. I. T., Surat.	16-20 June 2008
14	Workshop on "Futuristic Manufacturing: Opportunities & Challenges"	MGM's JNEC, Aurangabad	26 th Nov.2007
15	Seminar on Nano Technology: Concept, Scope and Applications	K. K. Wagh Senior College, Nashik-3	17 th Feb. 2007
16	Seminar on "Nano-Technology: Opportunities and Challenges"	K. K. Wagh IEER, Nashik-3	19-20 th Jan 2007
17	Industrial Training to Academics	Hindustan Aeronautics Ltd. (HAL), Nashik.	5 th to 17 th June 2006
18	Seminar on "Supply Chain Management"	K. K. Wagh IEER, Nashik-3	18 th Feb. 2006
19	Workshop on "Electric Discharge Machining"	K. K. Wagh IEER, Nashik-3	13-14 Jan. 2006

20	Staff Development Programme on "Nano-Technology: Opportunities and Challenges"	Dr. B.A.T. University, Lonere, Raigad	19-31 Dec. 2005
21	Training Program on "Communicative English"	K. K. Wagh IEER, Nashik-3	21 - 23 Nov. 2005
22	Workshop on "Electric Discharge Machining"	K. K. Wagh IEER, Nashik-3	19 - 20 Mar. 2005
23	Seminar on "Composite Materials"	K. K. Wagh IEER, Nashik-3	28 th Feb. 2005
24	Workshop on "Problem Solving with Design of Experiments (DoE)"	K. K. Wagh CoE, Nashik-3	22 Aug. 2004
25	STTP on "Applications of Integral Transform Techniques in Science and Engineering"	Dr. B.A.T. University, Lonere, Raigad	17 - 28 Nov. 2003
26	Short Term Course on "CNC Technology"	INDO-GERMAN Tool Room, Aurangabad	16 - 20 Oct. 2003
27	STTP on "Advanced Materials and Near-Net Shape Manufacturing"	Dr. B.A.T. University, Lonere, Raigad	11 - 22 Aug. 2003
28	STTP on "Advances in Manufacturing Systems and Industrial automation"	K. K. Wagh CoE, Nashik-3	16 - 21 June 2003
29	Course on "Programming in C"	K. K. Wagh CoE, Nashik-3	20 th Dec. to 2 nd Jan. 2000
30	Fifth state level Annual convention of ISTE	ISTE Maharashtra & Goa section	28-29 Dec. 2000

Details of M. E. Dissertation guided: 11

Sr. No.	Name Of The Student	Year of passing	Title of Dissertation
1	Rathod Nikhil J.	2016	Fasteners Quality Improvement Through Defects Identification and Analysis Using Taguchi Doe
2	Pingle Mangesh Govind	2016	Optimization Of Gas Insulated Switchgear Tank For Deflection and Cost Using CAD
3	Ranade Pankaj B.	June 2015	Experimental Investigation Of Burr Height, Cylindricity and Surface Roughness In Step Drilling
4	Pansare Sameer A.	June 2015	Experimental Investigation Of Micro Drilling Using Micro EDM on Hard To Cut Metals
5	Patil P. P.	2015	Optimization on delamination and cutting parameters during drilling on GFRP plastics based on Taguchi Method
6	Bhad Nitin Sampatrao	June 2014	Optimization Of Process Parameter For Resistance Spot Welding Process
7	Sanap Vikas Rangnath	June 2014	Process parameter optimization for electrolysis in process dressing (ELID) in Grinding
8	Gagare Santosh B.	June 2014	An Investigation Into Extruded Pure Alumina Used In High Temperature Applications
10	Shete Pankaj Chintaman	July 2013	Current development in PMEDM process for precision and productivity
11	Umap Ashish. M.	July 2013	Optimization Of Composite Patch Repair To Cracked Metallic Structure Of Aircraft Using Taguchi Method

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