

## **BIODATA**



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**Date of birth:** 06/05/1968

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Behind HP petrol pump, Panchavati, Nasik, Maharashtra, India.

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**Nationality:** Indian

**Educational Qualification:** B.E. (Production Engg.) M.E. (Industrial Engg.) Ph.D.(Mechanical Engg.)

**Experience:** 24 years

<b>Sr. No.</b>	<b>Organization</b>	<b>Designation</b>	<b>Period</b>
1.	K. K. Wagh Institute of Engineering Education & Research, Nasik	Professor in Production Engineering	10/08/2017 till date
2.	K. K. Wagh Institute of Engineering Education & Research, Nasik	Associate Professor in Production Engineering	1/10/2010 to 09/08/2017
3.	K. K. Wagh Institute of Engineering Education & Research, Nasik	Assistant Professor in Production Engineering	1/1/2003 to 30/09/2010 C.C.O./2968Dated10/5/2004
4.	K. K. Wagh Institute of Engineering Education & Research, Nasik	Senior Lecturer in Production Engineering	1/8/2000 to 31/12/2002 C.C.O./5199Dated19/9/03
5.	K. K. Wagh Institute of Engineering Education & Research, Nasik	Lecturer in Production Engineering	9/8/1993 to 31/7/2000 C.C.O./1086 Dated30/4/94

### **Others:**

Administrative Position: Worked as I/C Head of Production Engineering.

Worked as College Examination officer (CEO)

Worked as Nodal officer for National Institutional Ranking Framework (NIRF)

### **Membership of Professional Bodies:**

- Fellow Member Institution of Engineers (FIE) – F120095-6
- Life Member Indian Society for Technical Education (ISTE) - LM20903
- Life Member Indian Science Congress Association- L31396
- Life Member Indian Institute of Production Engineering (IIPE) - WF0976
- Life Member Indian Institute of Industrial Engineering (IIIE) – MIIIE9649
- Member of Institute of Engineering and Technology - 1100305236

**Paper Published/Accepted in International/National Journals:**

1. "Benchmark Product Features using Kano - QFD approach: a Case Study", *Benchmarking: An International journal*, (accepted), Vol. XX, No. X, pp. XXXX – XXXX. (ISSN: 1463 - 5771).
2. "Benchmarking of Purchasing Practices using Kraljic Approach", *Benchmarking: An International journal*, Vol.23, No.7, pp.1751–1779, 2016.  
DOI / 10.1108/BIJ-01- 2015 - 0011. (ISSN: 1463 - 5771).
3. "Segmentation based Product Design using Preferred Features", *Benchmarking: An International journal*, Vol. 22, No. 6, pp.1096 – 1114, Sept. 2015.  
DOI/ 10.1108/BIJ-11- 2014 - 0104. (ISSN: 1463 - 5771)
4. "A Kraljic's Portfolio Model for Exploring the Impact of Purchasing Strategies: A Case study of Boiler Industry", *Industrial Engineering Journal*, Vol. 7, No. 12, pp. 15 - 19, 2014. (ISSN: 0970 - 2555).
5. "Identification of Customer Requirements using Kano Model", *Industrial Engineering Journal* Vol. 7, No. 11, pp. 41- 45, 2014. 2014. (ISSN: 0970 - 2555).
6. "Selection of Material for Forging Die using Graph Theory and Matrix Approach (GTMA)", *International Journal of Research in Manufacturing Technology and Management*, Vol. 1, No. 1, pp. 1 - 6, 2013.
7. "Customer Preference Oriented Product Design using AHP – Modified TOPSIS Approach", *Benchmarking: An International journal*, Vol. 20, No. 4, pp. 549 - 564, 2013.  
DOI 10.1108/BIJ-08-2011-0058. (ISSN: 1463-5771).
8. "Product Assembly Sequence Design using Preference Ranking Organization Method for Enrichment Evaluations", *International Journal of Manufacturing Technology and Industrial Engineering*, Vol. 1, No. 2, , pp. 131-136, July - December 2010. (ISSN: 0976-6251).

**Paper Presented/Published in International Conferences Overseas:**

Sr. No.	Name of the Conference	Organized by	Date	Title of Paper
1	<i>IEEE International conference on Industrial Engineering and Engineering Management, Macau</i> , ISSN: 2157-3611, Page(s):75 – 79,Publisher: IEEE.	<i>IEEE and IEEM, Macau</i>	7-10 Dec. 2010	Ranking of product alternatives based on customer - designer Preferences
2	International Conference on Mechanical Engineering	BUET, Dhaka, Bangladesh	26-28 Dec. 2003	Development of an Automatic Forging Die Design System for Two Dimensional Components
3	International Conference on Mechanical Engineering	BUET, Dhaka, Bangladesh	26-28 Dec. 2003	Development of a Software for Automated Design of Machining Fixture using Kinematic Analysis and Synthesis

**Paper Presented/Published at International Conferences:**

Sr. No.	Name of the Conference/ seminar	Organizer	Date	Title of Paper
1	International Conference on Manufacturing Excellence (ICMAX-2017), PP-511-515 <b>ISBN:978-93-24457-41-5</b>	Department of Production Engineering, K. K. W.I.E.E.R, Nasik	3 - 4 March, 2017	Selection of Welding Electrode using Preference Ranking Organization Method for Enrichment Evaluations (PROMETHEE)
2	International Conference on Manufacturing Excellence (ICMAX-2017), PP.516-523 <b>ISBN:978-93-24457-41-5</b>	Department of Production Engineering, K. K. W.I.E.E.R, Nasik	3 - 4 March, 2017	Selection of Wire Drawing Die Material using Graph Theory and Matrix Approach
3	International Conference on Manufacturing Excellence (ICMAX-2017), PP-176-181 <b>ISBN:978-93-24457-41-5</b>	Department of Production Engineering, K. K. W.I.E.E.R, Nasik	3 - 4 March, 2017	A Study of Process Parameters of Wire Drawing :A Review
4	International Conference on Materials, Manufacturing and Design Engineering (iCMMD-2016) [ICASP/iCMMD-2016. Advances in Intelligent Systems Research. Vol. 137, Pp. 15-20, Published by Atlantis Press] <b>ISBN: 978-94-6252-305-0</b> <b>ISSN: 1951-6851</b> <b>DOI: 10.2991/iccasp-16.2017.3</b>	Dr.B.R. Ambedkar Technological University, Lonere, Maharashtra. (TEQIP)	20-21, Dec. 2016	Shielded Metal Arc Welding Electrode Selection using TOPSIS
5	International Conference on Advanced and Agile manufacturing and Agile software development [ICAM-ASD2016], <b>ISBN:978-93-86256-04 -1</b>	Centre of Excellence In Metal Forming and SGGsIE &T, Nanded	6 -7, Oct. 2016	Drawing of Copper Wire using Stepped Cone wire Drawing Machine: Design and Development
6	International Conference on Advanced and Agile manufacturing and Agile software development [ICAM-ASD2016], <b>ISBN:978-93-86256-04 -1</b>	Centre of Excellence In Metal Forming and SGGsIE &T, Nanded	6 -7, Oct. 2016	High Speed Forming of Aluminium Sheet using Electromagnetic Forming
7	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING (COPEN-8: 2013)	NIT Calicut, Kerala	13 -15, Dec. 2013	Press Tool Material Selection using AHP-TOPSIS Method
8	International Conference on Advanced Engineering Optimization through Intelligent Techniques	S. V. N. I. T. Surat	1- 3, July 2013	Selection of material for press tool using graph theory and matrix approach (GTMA)
9	International Conference on Advanced Engineering Optimization through Intelligent Techniques	S. V. N. I. T. Surat	1- 3, July 2013	Supplier selection using ELECTRE I & II methods
10	Tenth AIMS International Conference on Management (AIMS-10)	IIM Bangalore, INFOMS, AIMS	6 - 9 , Jan. 2013.	Product development and customer segmentation using fuzzy logic - ROC Approach
11	Tenth AIMS International Conference on Management (AIMS-10)	IIM Bangalore, AIMS	6 – 9, Jan. 2013.	Use of RFID-SAP-Kanban System in Shelf Replenishment and Production Confirmation

Sr. No.	Name of the Conference/ seminar	Organizer	Date	Title of Paper
12	4 <sup>th</sup> International & 25 <sup>th</sup> AIMTDR Conference	Jadavpur University, Kolkata	14 – 16, Dec. 2012	PROMETHEE: A method for the selection of product alternative
13	4 <sup>th</sup> International & 25 <sup>th</sup> AIMTDR Conference,	Jadavpur University, Kolkata	14 - 16 Dec. 2012	Selection of the Best Factory Data Collection (FDC) System Using AHP-TOPSIS Method
14	International conference on Industrial Engineering	S. V. N. I. T. Surat	17 - 19 Nov. 2011	Performance evaluation of grey relational analysis for customer preference based selection of product alternatives
15	Tenth International Conference on Operations and Quantitative Management	SIOM, Nasik, INFOMS, AIMS	28 - 30 June 2011	Ranking of product design alternatives using multi -criteria decision making
16	International Conference on Artificial Intelligence and Soft Computing	Interscience Research Network, Bhubaneswar	9 - 10 April 2011	Optimization of process parameters of abrasive water jet machining process using GA with adaptive penalty method
17	International Conference on Advances in Mechanical Engineering	S. V. N. I. T. Surat	23 – 25 Sept. 2010	Product assembly sequence design using preference ranking organization method for enrichment evaluations
18	International Conference on Advances in Mechanical Engineering	S. V. N. I. T. Surat	4 - 6, Jan. 2010	Evaluation of product alternatives using multi-criteria decision making approaches: a case study
19	International Conference on Advances in Mechanical Engineering	S. V. N. I. T. Surat	4 - 6, Jan. 2010	Modeling and optimization of material properties of tube hydro forming process
20	International Conference on Advances in Mechanical Engineering,	S. V. N. I. T. Surat	3 - 5 Aug. 2009	Integrating product design with an assembly line for maximum efficiency
21	International Conference on Advances in Mechanical Engineering	S. V. N. I. T. Surat	3 - 5 Aug. 2009	Study of effect of material property variation on tube hydro forming process
22	International Conference on Advances in Mechanical Engineering	S. V. N. I. T. Surat	15 -17 Dec. 2008	Product design for multi dimensional customer preferences
23	International Conference on Operation Research for a Growing Nation	ORSI, India, Sri Venkateswara University, Tirupati.	15 -17 Dec. 2008.	Evaluation of product attributes using fuzzy logic
24	International conference on Advances in Manufacturing and Technology Management	Mumbai University and Parshwanath C.O.E.	18 - 20 Jan. 2007	Product Life Cycle For Manufacturing Industries: An Overview
25	International conference on Recent Advances in Materials and Processing	PSG College of Technology, Coimbatore	15 - 16 Dec. 2006	Optimization of Plastic Flow in Injection Molding
26	International conference on Recent Advances in Materials and Processing	PSG College of Technology, Coimbatore	15 -16 Dec. 2006	Development of an Automatic Forging Die Design Using Evolutionary Optimization Technique
27	International conference on Global Manufacturing and Innovation	Coimbatore Institute of Technology, Coimbatore	27 - 29 July, 2006	Optimization of Buffer Capacity in Multi Stage and Multi Stream Process Using Gradient Based Search Algorithm

<b>Sr. No.</b>	<b>Name of the Conference/ seminar</b>	<b>Organizer</b>	<b>Date</b>	<b>Title of Paper</b>
28	International conference on Global Manufacturing and Innovation,	Coimbatore Institute of Technology, Coimbatore	27 - 29 July 2006	A Nesting Algorithm for Irregular Parts with Optimal Allocation on Varying Sheet Sizes
29	International conference on Operation Research Application in Infrastructure Development	IISC, Bangalore and Operation Research Society of India	27- 29 Dec. 2005	An Algorithm for Optimization of Cutting Stock Problem with Irregular Shapes
30	International Conference on Agile Manufacturing for Cleaner Product and Sustainability: Internet Solutions	University of Bangalore and World Federation of Engineering Organization,	14 - 17 Dec. 2002	Minimization of Material Waste Through Optimized Strip Layout in Press Tool Operation Using Simulated Annealing

**Paper Presented/Published at National Conferences:**

<b>Sr. No.</b>	<b>Name of the Conference</b>	<b>Organized by</b>	<b>Date</b>	<b>Title of Paper</b>
1	19 <sup>th</sup> Indian Engineering Congress	Institution of Engineers (India)	17- 19 Dec. 2004	Productivity Improvement through Automated Tool Design Using Optimization Technique

**Workshops/Seminars attended:**

Sr. No.	Title of Workshop/seminar/STTP	Organizer	Date
1	One week workshop on "Optimization aspects of Robotics and Computer Integrated Manufacturing"	Indian Institution of Production Engineers, Nasik Chapter and K. K. Wagh Institute of Engineering Education & Research, Nasik.	January, 16-20,2016
2	Two days workshop on " Advanced Statistical Methods for Tool and Die Design"	K. K. Wagh Institute of Engineering Education & Research, Nasik.	September, 13 - 14, 2014
3	Two days workshop on "Research Methodology: Recent Trends & Applications"	K. K. Wagh Institute of Engineering Education & Research, Nasik.	April 11-12, 2014
4	One day workshop on "Examination System"	Amrutvahini Institute of Management & Business Administration, Sangamner & University of Pune, Pune	February, 21, 2014
5	DST-RFBR sponsored Indo-Russian joint workshop on "Computational Intelligence and Modern Heuristics in Automation and Robotics (CIMHAR)	S. V. N. I. T., Surat and Novosibirsk state technical university, Novosibirsk, Russia	September, 20 - 22, 2010
6	"Introduction and Application of MATLAB in Engineering"	Indo-US Collaboration for Engineering Education (IUCEE) & K. K. Wagh I.E.E. & R., Nasik	February 10-11,2010
7	STTP on "Advanced Engineering Optimization through Intelligent Techniques"	S. V. N. I. T., Surat. (sponsored by AICTE)	December 22-26, 2008
8	Three day National seminar on "The Global Dimension of Challenges in New Business Landscape"	J.D.C. Bytco institute of management studies and research, Nasik.	February 7-9,2008
9	STTP on "Computer Integrated Product Design"	Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra. (Approved by AICTE and ISTE)	December 4-8, 2006
10	One day workshop on "Supply Chain Management"	K. K. Wagh College of Engineering, Nasik	February 18,2006
11	20 <sup>th</sup> convention of production engineers on "Man Machine Interaction with Special Emphasis on Automobile and Ancillary Manufacturing"	Institution of Engineers, (India)	October 1- 2. 2005
12	One day workshop on "Composite material	K. K. Wagh college of Engineering, Nashik	February, 28 2005
13	One day workshop on "Problem Solving with Design of Experiments"	K. K. Wagh college of Engineering, Nashik.	August 22, 2004
14	National Seminar on "Recent Advances in Mechanical Engineering (RAME)	K. K. Wagh college of Engineering, Nashik	January, 16-17 2004
15	STTP on "Advances in Manufacturing System and Industrial Automation'	K. K. Wagh College of Engineering, Nasik (Sponsored by AICTE and ISTE)	June, 16-21 2003
16	National Seminar on "History of fighter Air Craft"	Institutions of Engineers, Nashik Local Centre	January, 7, 2003
17	STTP on "High Precision Manufacturing, VISION 2020"	Dr. B.A.T.U., Lonere. (Approved by AICTE and ISTE)	November, 18-30 2002
18	STTP on "Programming in C"	K. K. Wagh College of Engineering, Nasik (Sponsored by ISTE)	December, 20, 1999- January, 2, 2000
19	Workshop on Implementation of Syllabus For " Engineering Graphics I and II"	K .K. Wagh College of Engineering, Nasik	October, 20, 2003
20	5 <sup>th</sup> State Level Convention of I.S.T.E	K .K. Wagh College of Engineering, Nasik	December, 28-29 2000

**M.E. Dissertation guided:**

Sr. No.	Name of the student	Title of dissertation	Year of completion
1	Mali Anil Y.	Study of effect of material property variation on tube hydro-forming process	Dec.2009
2	Bhusnar Avinash B.	Optimization of process parameters of advanced machining processes using GA with adaptive penalty method	Nov.2011
3	Dalvi Shrikant E.	Implementation of RFID enabled SAP-KANBAN system for material replenishment and production confirmation	July 2014
4	Sonawane Girish	Supplier Selection using Multi Criteria Decision Making Methods	August 2014
5	Sudish Ray	Selection of die material for various material forming processes using Graph Theory and Matrix Approach	April 2015
6	Chavan Amol A.	Kraljic portfolio model for exploring the impact of purchasing strategies	April 2015
7	Patil Saurabh S.	Integration of KANO Model and Quality Function Deployment for Product Development	June 2016

**Invited talks:**

- Expert lecture on “Multi - Attribute Decision Making Methods and Applications” at Three days workshop on “Soft Computing: Applications in Engineering” organized by K. K. Wagh Institute of Engineering Education & Research, Nasik in association with Indian Institute of Production Engineering (IIPE), 8 -10 December 2016.
- Expert lecture on “Multi - Attribute Decision Making Methods and Applications” at Two days workshop on "Research Methodology: Recent Trends & Applications" organized by K. K. Wagh Institute of Engineering Education & Research, Nasik ,11-12 April 2014
- Expert lecture on “Mold Material Selection using Multiple Attribute Decision Making” at One day workshop on “Computer Aided Design & Manufacturing of Plastic Mould” organized by Amrutvahini College of Engineering, Sangamner and sponsored by University of Pune on September 20<sup>th</sup>, 2013.
- Expert lecture on “Multi - Attribute Decision Making Methods and Applications” organized by Gokhale Education Society’s College of Engineering, Nasik, 27<sup>th</sup> Feb.2012.
- Expert lecture on “Application of Value Engineering in Engineering Sector” organized by Gokhale Education Society’s College of Engineering, Nasik, 25<sup>th</sup> Feb.2012.

**Conference/Workshop organized:**

- International Conference on Manufacturing Excellence (ICMAX-2017) sponsored by SPPU, Pune.
- Three days workshop on “Soft Computing: Applications in Engineering” in association with Indian Institute of Production Engineering (IIPE), 8 -10 December 2016.
- One day Certified program on “Intellectual Property (IP) and Patent Life Cycle Management (PLM)”, 10<sup>th</sup> March, 2012.
- Two days state level seminar on “Advanced Engineering Optimization (ADOPT)”, 1- 2 February, 2010 approved by University of Pune, Pune.

**Others:**

- Worked as coordinator to prepare detailed project report (DPR) for M.E. Production.
- Worked as coordinator to prepare detailed project report (DPR) for M.B.A.

Dr. Sanjaykumar R Gangurde