

Name:

Dr. Hari Vasudevan
Principal, DJSCE

**Professor and Head of the Dept. of
Production Engg.**

Ph.D. (Indian Institute of Technology Bombay)

M.E. Production Engg. (VJTI)

Post-Graduate Diploma in Industrial Engg. (VJTI)

B.E. Industrial Production (GIT)



Vidwan Link:

<https://vidwan.inflibnet.ac.in/profile/336363>

*Google Scholar
Link:*

<https://scholar.google.co.in/citations?user=5VLWlvUAAAAJ&hl=en>

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Publons

Researcher ID:

<https://publons.com/researcher/4914477/hari-vasudevan/>

*Other
Responsibilities/
Assignments:*

1. Nominee of the Vice-Chancellor of the University of Mumbai on the Academic Council of Vivekanand Education Society's Institute of Technology, Chembur, Mumbai from July 2023.
2. Nominee of the Vice-Chancellor of the University of Mumbai on the Academic Council of Bhartiya Vidya Bhavan's Sardar Patel College of Engineering, Andheri (West), Mumbai from June 2022.
3. Member (Internal Expert of the University), Research & Recognition Committee (RRC) in Mechanical Engineering, University of Mumbai.
4. Former Chairman, Board of Studies in Production Engineering, University of Mumbai.
5. Nominee of the Vice-Chancellor of the University of Mumbai on the Academic Council of Mahatma Education Society's Pillai College of Engineering, New Panvel, Raigad from December 2021.
6. Member, Academic Advisory Body, K. J. Somaiya College of Engineering, Somaiya Vidyavihar University, Mumbai.
7. Nominee of the President - SVKM on the Internal Quality Assurance Committee (IQAC) of SVKM's Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics (Autonomous) from June 2021.
8. Nominee of the Chancellor, NMIMS (Deemed to be University) on the "Board of Examinations" of the University as well as member (external expert) of the University's Unfair Means Committee.
9. Member of the "External Peer Team" for Academic Performance Audit of IQAC of Thakur College of Engineering & Technology, Kandivali, Mumbai.

Date of Birth:

29-5-1969

Qualifications:

- FIE: Fellow of The Institution of Engineers (India).
- FISME: Fellow of The Indian Society of Manufacturing Engineers, Mumbai.
- Ph.D., Indian Institute of Technology Bombay.
- M.E. (Production Engg), 1st class with Distinction, VJTI, University of Mumbai.
- Post-Graduate Diploma in Industrial Engg., 1 st class, VJTI, University of Mumbai.
- B.E. (Industrial Production), 1 st class, GIT, Karnatak University.
- ERP (BaaN): 3 months Full Time Certificate Programme, S.P. Jain Institute of Management & Research, Mumbai under the University Synergy Programme of BaaN Institute, Netherlands.

<i>Area of Specializations:</i>	Manufacturing Engineering, Manufacturing Systems & Strategy, Market Orientation of Manufacturing Firms and World Class Manufacturing.
<i>Subjects taught-Under Graduate Level:</i>	Manufacturing Engineering, Production & Operations Management, Engineering Drawing.
<i>Post Graduate Level:</i>	World Class Manufacturing, Manufacturing Strategy, Research Methodology.
<i>Patents Published/Granted:</i>	<ol style="list-style-type: none"> 1. "A Medical Emergency System for a Vehicle", Application No. 202321041386, Publication Date: 04/08/2023. 2. "A Device to Convert Atmospheric Moisture Into Water", Application No.: 202321038201, Publication Date: 04/08/2023. 3. "A System for Detection and Classification of Tomato Disease Using Deep Learning", Application No. 202221024242 A, Publication Date: 11/11/2022. 4. "Contactless Breathing Rate Detector for Smart Cradle", Application No. 202221004780, Publication Date: 18/03/2022. 5. "A Method for Securing Low Constrained Devices of the IoT Network", Application No. 202121042499 A, Publication Date: 26/11/2021. 6. "An improved method for Sentiment Analysis Using a Novel Approach for Cross Domain Adaption", Application No. 20212101910 A, Publication Date: 28/05/2021.
<i>Design Patent Registrations:</i>	<ol style="list-style-type: none"> 1. "Rear Pin Locking For Aircraft Control", No. 141649, Design No. 381129-001, Class: 08-08, Date of Registration: 09/03/2023, Date of Issue: 03/08/2023. 2. "Adjustable Prosthetic Adapter", No. 139272, Design No. 381642-001, Class: 12-16, Date of Registration: 16/03/2023, Date of Issue: 13/06/2023. 3. "Square Frustrum Impact Attenuator", No. 139272, Design No. 381642-001, Class: 12-16, Date of Registration: 16/03/2023, Date of Issue: 13/06/2023. 4. "Tree Shaped Forest Fire Combat system", No. 138702, Design No. 380794-001, Class: 29-01, Date of Registration: 03/03/2023, Date of Issue: 06/06/2023. 5. "Semi-Autonomous Fire Fighting Vehicle", No. 137539, Design No. 378830-001, Class: 29-01, Date of Registration: 07/02/2023, Date of Issue: 24/05/2023. 6. "Ergonomic Wheel Hub Assembly", No. 137229, Design No. 380554-001, Class: 12-16, Date of Registration: 01/03/2023, Date of Issue: 23/05/2023. 7. "Monocoque Chassis of an Electric Vehicle", No. 136868, Design No. 381128-001, Class: 12-16, Date of Registration: 09/03/2023, Date of Issue: 23/05/2023. 8. "Chassis for Electric Vehicle Go-kart", No. 137926, Design No. 380892-001, Class: 12-08, Date of Registration: 06/03/2023, Date of Issue: 24/05/2023. 9. "Aerodynamic Go-kart", No. 134848, Design No. 318183-001, Class: 12-08, Date of Registration: 28/05/2019, Date of Issue: 11/05/2023. 10. "Steering wheel joint", No. 134363, Design No. 378832-001, Class: 12-16, Date of Registration: 07/02/2023, Date of Issue: 03/05/2023. 11. "Swingarm with Linkages for Electric Motorcycle", No. 133538, Design No. 379353-001, Class: 12-11, Date of Registration: 15/02/2023, Date of Issue: 21/04/2023. 12. "Automated Solar Powered Grass Cutter", No. 116175, Design No. 318128-001, Class: 15-03, Date of Registration: 27/05/2019, Date of Issue: 02/08/2022. 13. "Standard Cycle", No. 116378, Design No. 318123-001, Class: 12-11, Date of Registration: 27/05/2019, Date of Issue: 17/08/2022. 14. "Torque Enhancer", No. 113557, Design No. 318181-001, Class: 12-16, Date of Registration: 28/05/2019, Date of Issue: 12/05/2022. 15. Solar Assisted Hybrid Go-Kart, No. 107190, Design No.: 318129-001, Class: 12-08, Date of Registration: 27/05/2019, Date of issue: 11/01/2022. 16. "Electric Sports Bike", No. 98315, Design No: 334743-001, Class: 12-11, Date of Registration: 29/10/2020, Date of Issue: 11/05/2021. 17. "Stabilizer Spindle for Four-wheelers", No. 89351, Design No: 324650-001, Class: 12-16, Date of Registration: 13/12/2019, Date of Issue: 15/07/2020. 18. "Frame of a Motorbike", No. 89355, Design No: 318352-001, Class: 12-11, Date of Registration: 31/05/2019, Date of Issue: 15/07/2020.

Design Patent Registrations:

19. "Spindle for Vehicles", No. 87649, Design No: 318351-001, Class: 12-16, Date of Registration: 31/05/2019, Date of Issue: 06/05/2020.
20. "Intake Manifold For Two-Wheeler Engines", No. 87646, Design No.: 318182-001, Class: 15-01, Date of Registration: 28/05/2019, Date of Issue: 06/05/2020.
21. "Fire Extinguishing Equipped Life-Saving Drone", No. 91074, Design No: 318122-001, Class: 12-07, Date of Registration: 27/05/2019, Date of Issue: 15/09/2020.

07 other design patents are filed and the review & evaluation are currently going on.

Copyrights:

1. "Applications of Microsoft Forms, Teams, and Power Automate for Online Admissions". (Diary No: 9768/2022-CO/L), Date of Application: 10/05/2022, Date of issue: 29/09/2022.

Approved Ph.D. Guide:

Field: Mechanical Engineering: University:- University of Mumbai.
Field: Mechanical Engineering: University:- NMIMS (Deemed to be University).

Ph.D. Guided:

08: Titles of the Research Work are:

- 1) "Investigation of Surface Integrity Aspects in Milling Operation on Nickel Based Super Alloy" by Dr. Ramesh Rajguru.
- 2) "Exploring the Relationship between Technological Innovativeness and Firm Performance in Indian Manufacturing SMEs" by Dr. Anup Chavan.
- 3) "Investigation of Issues in Implementation of Knowledge Management Practices in Indian Automotive Industries" by Dr. Shaikh Ibrahim.
- 4) "Green Supply Chain Management Practices in Indian Manufacturing Firms and their Impact on Business Performance" by Dr. Meeta Gandhi.
- 5) "A Comparative Analysis of Shainin DoE and Traditional DoE Tools for Deploying Six Sigma in Select Indian Manufacturing Companies" by Dr. Rajendra Khavekar.
- 6) "Thermal Modelling of Orthogonal Machining Process" by Dr. Rajesh Patil.
- 7) "Supplier Selection and Performance Evaluation Issues in Supply Chain Management" by Dr. Ashish Deshmukh.
- 8) "Exploring Product Cannibalisation and Benefits of Remanufacturing in the Context of a Remanufactured and its counterpart new product" by Dr. Ravi Terkar.

Approved PG Guide:

Presently guiding 6 students at the DJSCE Research Centre, University of Mumbai.
Field: Mechanical Engineering: University: - University of Mumbai.

PG Projects Guided:

16: M. E. (Mechanical Engineering) Projects of University of Mumbai.

Online Courses Completed (Coursera):

1. "Industrial Internet Things (IIoT)", University of Michigan, USA (December 2021 – January 2022).
2. "Advanced Manufacturing Enterprise", University of Buffalo, USA (October-November 2020).
3. "Business Analytics for Decision Making", University of Colorado Boulder, USA (October-November 2020).
4. "Strategic Innovation: Building and Sustaining Innovative Organizations", University of Illinois at Urbana-Champaign, USA (October-November 2020).
5. "Software Processes and Agile Practices", University of ALBERTA, Canada (August-September 2020).
6. "Digital Manufacturing & Design", University of Buffalo, USA (July-August 2020).
7. "Cyber Security in Manufacturing", University of Buffalo, USA (July-August 2020).
8. "Digital Transformation", Boston Consulting Group (BCG) & University of Virginia, USA (July-August 2020).
9. "Assessment in Higher Education: Professional Development for Teachers", Erasmus University Rotterdam (University of Rotterdam), Netherlands (July-August 2020).
10. "Learning to Teach Online", UNSW Sydney (The University of New South Wales), Australia (June-July 2020).
11. "Design Thinking for Innovation", University of Virginia, USA (June-July 2020).
12. "Introduction to Big Data", University of California San Diego, USA (June-July 2020).
13. "IT Infrastructure and Emerging Trends", University of Minnesota, USA (May-June 2020).
14. "AI For Everyone", deeplearning.ai, conducted by Prof. Andrew N G, Adjunct Professor at Stanford University, USA (May 2020).

15. "Leadership and Emotional Intelligence", Indian School of Business (ISB), Hyderabad (April-May 2020).

Professional Memberships

Life Member of ISTE, New Delhi,
Senior Member: International Economics Development and Research Centre (IEDRC).

Interaction with Professional Institutions

President of the Indian Society of Manufacturing Engineers (ISME);
Member of Alumni Associations of GIT, NITIE, VJTI & IIT Bombay.

Work Experience: Teaching

1. Principal, Dwarkadas J. Sanghvi College of Engineering from 9-2-2009 till date.
2. Vice-Principal, Dwarkadas J. Sanghvi College of Engineering from 17-7-2007 to 08-02-2009 and Convener, Training & Placement Cell from 1-6-2007 to 17-7-2008.
3. Professor in Production Engineering, Dwarkadas J. Sanghvi College of Engineering from 16-7-2007 till date and Head of the Department of Production Engineering from 01-07-2008 till date.
4. Assistant Professor in Production Engineering, Dwarkadas J. Sanghvi College of Engineering from 31-7-2003 to 15-7-2007 and Lecturer in Production Engineering from 17-8-1994 to 30-7-2003.
5. Lecturer, Dept. of Mechanical Engineering, S.B.M. Polytechnic from July 1993 to August 94.
6. Lecturer, Dept. of Mechanical Engineering, Fr. Agnel Polytechnic from June 1992 to July 1993.

Research and Industry:

1. Production Engineer, Crompton Greaves Limited, Kanjur Marg, Mumbai from August, 1997 to November, 1998.
2. Trainee Engineer, PAM Pharmaceuticals and Allied Machinery Co. Ltd., Kandivali, Mumbai from June, 1997 to July, 1997.
3. Production Planning Engineer, Hercules Hoists Ltd., Mulund, Mumbai from January, 1995 to November, 1995.
4. Production Planning Engineer, Plastic Art /Shalimar Plastic Industries, Mumbai from July 1990 to June 1992.

Research Grant Received:

1. Received a travel grant of Rs. 1,18,750/- from the AICTE for presenting the research work, titled "Process Experimentation and Modelling for Surface Integrity Aspects in Turning of Duplex Stainless Steel", in an International Conference held in Japan during March' 2020.

Research grant received under the "Minor Research Grant" scheme of the University of Mumbai:

2. Research grant of Rs. 50,000/- for the work titled "Predictive Modelling of Surface Roughness in the Machining of Inconel 625 using Artificial Neural Network", (Ref. No. 195) for the A.Y. 2018-19 (with Rajguru Ramesh).
3. Research grant of Rs. 45,000/- for the work titled "Grey Relational Analysis for Minimising Surface Roughness of Milled NEMA GII GFRP Plates", (Ref. No. 388) for the A.Y. 2015-16 (with Rajguru Ramesh).
4. Research grant of Rs. 30,000/- for the work titled "Multi-Objective Optimisation of Roughness Parameters during turning of GFRP/Epoxy Composite material.", (Ref. No. 389) for the A.Y. 2015-16 (with Deshpande Naresh).
5. Research grant of Rs. 25,000/- for the work titled "BEST_R: Buses for Enhanced State Transport Roadmap to Urban Transport Modelling", (Ref. No. 400) for the A.Y. 2016-17 (with Vulavala Ramesh & Parulekar Mayur).
6. Research grant of Rs. 45,000/- for the work titled "Grey Fuzzy Optimization of Process Parameters for CNC Turning of Inconel 825 Nickel Based Super Alloy", (Ref. No. 393) for the A.Y. 2017-18 (with Rajguru Ramesh).

International Publications: Journal

1. "A Model for Integrating Industry 4.0 and Lean Tools Using Critical Success Factors in Indian Manufacturing Industries", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 215-222, DIO: 10.1007/978-981-19-7971-2_21 (with Birajdar Dhaval).

2. "Sustainability Benefits and Barriers in the Integration of Additive Manufacturing with Industry 4.0 Practices - A Conceptual Framework", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 233-242, DIO: 10.1007/978-981-19-7971-2_23 (with Markose Trupti).
3. Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Social Dimension of Sustainability", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 69-76, DIO: 10.1007/978-981-19-7971-2_17 (with Ranka Dharam).
4. "Impact of Process Parameters on Machining-Induced Micro-Hardness in Dry End Milling of Inconel 625 Using Coated Tool", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 511-520, DIO: 10.1007/978-981-19-7971-2_49 (with Rajguru Ramesh).
5. "Experimental Investigation, Modeling and Optimization of Cutting Forces in Fry Hand Turning", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 463-474, DIO: 10.1007/978-981-19-7971-2_46 (with Mane Sandip).
6. "Fabrication of Fibre-Reinforced Composites Using Vacuum Infusion Process and Testing", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 463-474, DIO: 10.1007/978-981-19-7971-2_44 (with Rajguru Ramesh and Merchant Nimit).
7. "Optimization of Machining Parameters for Surface Roughness in the End Milling of Hybrid Composite Using Response Surface Methodology", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 439-450, DIO: 10.1007/978-981-19-7971-2_2 (with Rajguru Ramesh, Sharma Shreejeet, More Shreyash and Mayekar Nimish).
8. "Predictive Modelling of Cutting Force in the Machining of Duplex Stainless Steels Using Artificial Neural Network", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 501-510, DIO: 10.1007/978-981-19-7971-2_48 (with Deshpande Naresh).
9. "A Conceptual Framework Involving Barriers in the Integration of Additive Manufacturing with Industry 4.0 practices", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore(2023), PP: 129-136, DIO: 10.1007/978-981-19-7971-2_13 (with Markose Trupti).
10. "Role of Drivers, Barriers and Critical Success Factors for Lean Readiness in Indian Manufacturing Industries", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 89-98, DIO: 10.1007/978-981-19-7971-2_9 (with Birajdar Dhaval).
11. "Influence of Digitized Transforming Enablers on Manufacturing Performance in the Context of Economic Dimension of Sustainability", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 303-314, DIO: 10.1007/978-981-19-7971-2_29 (with Ranka Dharam).
12. "Innovativeness in Indian Defence Sector: An Academic Strategy Perspective and the Way Ahead", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 15-24, DIO: 10.1007/978-981-19-7971-2_2 (with Chavan Anup).
13. "Design of an Electronic Continuously Variable Transmission Actuation Mechanism to Optimize Efficiency", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 569-578, DIO: 10.1007/978-981-19-7971-2_55 (with Rajguru Ramesh, Mehta Prathamesh, Gandhi Rishit, Selia Sadique and Thakkar Yash).
14. "Operational Logic for Electronic Continuously Variable Transmission Using PID Control", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 69-76, DIO: 10.1007/978-981-19-7971-2_33 (with Rajguru Ramesh, Mehta Prathamesh, Gandhi Rishit, Selia Sadique and Thakkar Yash).
15. "Enhancing Productivity of a Photometer Using Automation and Regression Analysis", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 323-328, DIO: 10.1007/978-981-19-7971-2_31 (with Khavekar Rajendra and Aayush Shah).
16. "Understanding the Drivers and Barriers in the Implementation of IoT in SMEs", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 267-280, DIO: 10.1007/978-981-19-7971-2_26 (with Deshmukh Ashish and Parab Sanket).

17. "Application of the Theory of Inventive Problem Solving in Value Engineering Methodologies and Its Phases", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 255-266, DIO: 10.1007/978-981-19-7971-2_25 (with Khavekar Rajendra and Deshpande Rajat).
18. "Improvement in Productivity of Assembly Line by Cycle Time Reduction: A Case Study", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 35-44, DIO: 10.1007/978-981-19-7971-2_4 (with Khavekar Rajendra and Vaghela Devanshi).
19. "Investigating Critical Process Parameters Using Fuzzy Analytical Hierarchical Process in Casting Process Failure", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 195-204, DIO: 10.1007/978-981-19-7971-2_19 (with Chaudhari Amit).
20. Managerial Insights into the GSCM Practices in the Indian SME Manufacturing Firms", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 147-156, DIO: 10.1007/978-981-19-7971-2_15 (with Gandhi Meeta).
21. "Application of Work Measurement to Reduce the Cycle Time in Manufacturing Firm: A Case Study", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 69-76, DIO: 10.1007/978-981-19-7971-2_7 (with Khavekar Rajendra and Sapakl Tejaswini).
22. "Design of a Passive Assistive Exoskeleton for Improving Overall Worker Productivity in Industries", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 691-704, DIO: 10.1007/978-981-19-7971-2_67 (with Rajguru Ramesh, Amal Parth, Mayekar Nimish, Patil Atharva and Sooryavanshi Shreevardhan).
23. "Improvement of Quality in Adhesive Mass Coating Process Using Statistical Process Control", in Lecture Notes in Mechanical Engineering, Published by Springer Singapore (2023), PP: 415-428, DIO: 10.1007/978-981-19-7971-2_40 (with Khavekar Rajendra and Gandhi Aanchal).
24. "A Study of Micro hardness in the Machining of Inconel 625 using TiAlSiN coated tools under Dry Cutting Conditions", in the International Journal "Journal of Advances in Materials and Processing Technologies", Taylor and Francis Publications, July 2022, Ref. Ms. No. TMPT-2022-0079R1, 229245391 (with Rajguru Ramesh).
25. "Reliability based design optimization of casting process parameters using Markov chain model", in Materials Today: Proceedings, Vol. 63, 2022, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2022.04.189>, PP: 602-606 (with Chaudhari Amit).
26. "Machining Induced Surface Integrity Aspects of Stainless Steels: A Review", in Materials Today: Proceedings, Vol. 22, Part: 4; 2020, <https://doi.org/10.1016/j.matpr.2020.02.067>, PP: 1499-1506 (with Deshpande N. C.).
27. "Multi Regression Model for Cutting Force During Dry Turning of Duplex Stainless Steels Using Definitive Screening Design", in IOP: Earth and Environmental Science, 1100 (2022) 012026, doi: 10.1088/1755-1315/1100/1/012026, PP: 1-9 (with Deshpande N. C.).
28. "Modelling of Surface Roughness effect on the Dry Turning of Duplex Stainless Steels", in Materials Science and Engineering, IOP Publishing (Conf. Series), 1258 (2022) 012020, doi: 10.1088/1757-899X/1258/1/012020 (with Deshpande Naresh).
29. "A Model for Residual Stress in the Dry Turning of Duplex Stainless Steels" in Key Engineering Materials, ISSN: 1662-9795, Vol. 933, PP: 25-31, doi: 10.4028/p-cqj696, 2022, Trans Tech Publications Ltd., Switzerland (with Deshpande Naresh).
30. "Investigating the Effect of TiAlSiN Ultra Hard Coated Solid Carbide Tool on Surface Roughness in Dry End Milling of Inconel 625", in the International Journal "Journal of Advances in Materials and Processing Technologies", Taylor and Francis Publications, December 2020, DOI.org/10.1080/2374068X.2020.1855964, PP: 1-10 (with Ramesh Rajguru).
31. "Optimization of Process Parameters in the Case of a Corrugation Operation by Using Taguchi Method", in the International Journal of Mechanical and Production Engineering Research and Development, Trans Stellar Publications, Vol. 10, Special Issue: June 2020, PP 31-38 (with Dr. Rajendra Khavekar and Hardikkumar Patel).

32. "An Empirical Investigation of knowledge Management Issues in the context of Automotive SMEs in India", in the International Journal of IT & Knowledge Management (ISSN: 0973-4414), Vol: 13, Issue: 2, PP: 29-40, January-June 2020 (with Shaikh Ibrahim).
33. "Machining Induced Surface Integrity Aspects of Stainless Steels: A Review", in Elsevier Materials Today: Proceedings, 22 (2020), PP 1499-1506 (with Deshpande Naresh).
34. "Technological Innovativeness and Manufacturing Performance in Indian Manufacturing SMEs: Some Policy Implications", in Lecture Notes on Multidisciplinary Industrial Engineering, Springer Nature, Anil Sachdeva et. al. (Eds): Operations Management and Systems Engineering, ISSN: 2522-5022, ISSN: 2522-5030 (e), 2021, Part F256, PP: 447-460 (with Chawan Anup).
35. "An Empirical Investigation of the Cultural, Individual and Measurement Issues in the Context of the Implementation of Knowledge Management in Indian Automotive SMEs", in the International Journal of Knowledge Management and Practices, Vol. 8, ISS 1, 2020, <http://publishingindia.com/ijkmp/>, PP: 10-17 (with Shaikh Ibrahim).
36. "Exploring Ideal Process Parameters to Enhance the Surface Integrity Using Grey Fuzzy Integrated Technique", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 3-12 (with Ramesh Rajguru).
37. "Predictive Modeling of Surface Roughness in the Machining of Inconel 625 Using Artificial Neural Network" in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 23-30 (with Ramesh Rajguru).
38. "Role of Technological Innovativeness in the Manufacturing Performance of Indian SMEs", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 61-70 (with Anup Chawan).
39. "Evaluating GSCM Practice - Performance Relationship in Chemical, Textile and Rubber/Plastic SMEs in India", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 79-88 (with Meeta Gandhi).
40. "Supplier Selection in MSME Gear Manufacturing Industries Using MCDM Technique", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 117-126 (with Ashish Deshmukh).
41. "An Empirical Analysis of the Strategic, Organizational, Financial and Technological Issues in the Implementation of Knowledge Management in Indian Automotive SMEs", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 135-146 (with Ibrahim Shaikh).
42. "Productivity Improvement in Blow Molding Process Through Energy Savings", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 167-176 (with Rajendra Khavekar and Nida Sayed).
43. "Improving the On-Time Delivery of Projects in a Complex Industrial Environment", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 231-238 (with Rajendra Khavekar and Krishnan Kaushik).
44. "A Review of the Reliability Techniques Used in the Case of Casting Process Optimization", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 309-318 (with Amit Choudhari).
45. "Investigating Red X Parameter for Short Shot-Type Defect in Plastic Injection Moulds Using Shainin's Design of Experiments", in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2020, PP: 533-542 (with Rajendra Khavekar and Dharam Ranka).
46. "Effect of Machining Parameters on Surface Integrity in End Milling of Inconel 625", in "Lecture Notes on Multidisciplinary Industrial Engineering", Springer Singapore, DOI: 10.1007/978-981-32-9417-2_42 (2019), PP 505-515, (with Rajguru Ramesh).
47. "Investigation of the Impact of Cutting Parameters on Surface Integrity in the End Milling of Inconel 625" in "Materials Science Forum", ISSN: 1662-9752, Vol. 969, PP 762-767, Trans Tech Publications Ltd., Switzerland, 2019 (with Rajguru Ramesh).

48. "Optimization of Injection Moulding Process Parameters for Manufacturing Plastic Components (PBT) Using Taguchi Method (TM)", in "Materials Science Forum", ISSN: 1662-9752, Vol. 969, PP 775-780, Trans Tech Publications Ltd., Switzerland, 2019 (with Khavekar Rajendra and Gosar Vimal).
49. "Optimization of Process Parameters in the Turning Operation of Inconel 625", in "Materials Science Forum", ISSN: 1662-9752, Vol. 969, PP 756-761, Trans Tech Publications Ltd., Switzerland, 2019 (with Rajguru Ramesh, Shaikh Moeiz and Shaikh Arsalan).
50. "A Review and Analysis of the Machining Process involving Nickel Based Super Alloy" in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2018, PP 425-432 (with Ramesh Rajguru).
51. "Predictive Modelling of Delamination Factor and Cutting Forces in the Machining of GFRP Composite Material using ANN" in "Lecture Notes in Mechanical Engineering", Springer Singapore, ISSN: 2195-4356, ISSN: 2195-4364 (e), 2018 (with Ramesh Rajguru and Rajnarayan Yadav).
52. "Analyzing the need for a comparative study of Shainin DoE and Traditional DoE tools for deploying Six Sigma in Indian manufacturing companies" in "Materials Science and Engineering", IOP Publications, 2018, DOI: 10.1088/1757-899X/376/1/012121 (with Khavekar Rajendra).
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2. "Predictive Modeling of Surface Roughness Parameters and MRR during Turning of Inconel 625 with Coated Inserts using Artificial Neural Network.", accepted for presentation in the 9th International & 30th All India Manufacturing Technology, Design & Research Conference (AIMTDR-2023), being organized by the Department of Mechanical Engineering, IIT (BHU), Varanasi, during 8th-10th December 2023 (with Rajguru Ramesh).
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11. "Multi Criteria Decision Making Techniques for Supplier Selection in the Context of Gear Manufacturing in India", in the proceedings of the Diamond Jubilee National Convention of IIIIE & International Conference (Role of Industrial Engineering in Industry 4.0 Paradigm ICIEIND 2018), organised from 27th to 30th September 2018 at Bhubaneswar, Odisha, India (with Deshmukh Ashish).
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 40. "Product Cannibalization due to Remanufacturing and its decisive strategies" in the International Conference on 'Sustainable Manufacturing: Issues, Trends and Practices' (ICSM2011) organized by Mechanical Engg. Dept., BITS Pilani, during 10th - 12th November 2011 (with Ravi Terkar and Vilas Kalamkar).
 41. "Achieving Zero Defects at an Economically Affordable Cost" in the International Conference of Society of Operations Management (Nasik: Symbiosis Institute of Operations Management, Maharashtra, Dec., 2007) (with Sawan Kumar Naik).
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 43. "Vibration Analysis of an Assembly by Converting it into a Mass Spring System" in the International Conference on Advances in Materials Processing and Characterization (Chennai: Anna University, Tamil Nadu, India, August, 2006) (with Bhosale Ajith, Lakal Narendra and Khavekar Rajendra).
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 45. "Influence of Environment, Resources and Market Orientation on Manufacturing Performance" in the American Marketing Association Annual Meeting and Summer Educator's Conference (Chicago: USA, Aug., 2006) (with Gaur S S. and Singh, D. A.).
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2. "Cyber security challenges in digital manufacturing and possible ways of mitigation" published as a book chapter in "Cyber Security Threats and Challenges facing Human Life", by CRC Press, Taylor and Francis Group, HB 9781032111285.
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8. Editor-in-Chief, Proceedings of "DJASCI 2019", ISBN: 978-93-5382-856-1.
9. Editor-in-Chief, Proceedings of "DJ Spark 2019", ISBN: 978-93-5346-349-4.
10. "Integrated Approach of Quality Cost and Six Sigma" Customer Delight, Lambert Academic Publishing, ISBN: 978-620-0-09163-5, 2019 (with Amar Mumurkar & S. N. Teli).
11. "Lecture notes in Mechanical Engineering", Springer Publications, ISBN: 978-981-10-9040-0, ISBN: 978-981-10-9041-7 (e), Proceedings of International Conference on Intelligent Manufacturing and Automation: ICIMA 2018 (with K. N. Vijayakumar and Amool A. Raina).
12. Editor-in-Chief, Proceedings of "DJASCI 2018", ISBN: 978-93-5346-097-6.
13. Editor-in-Chief, Proceedings of "DJ Spark 2018", ISBN: 978-93-86724-75-5.
14. "Lecture Notes on Data Engineering and Communications Technologies", Volume 19, Springer Publications, ISSN: 2367-4512, ISBN: 978-981-10-8338-9, Proceedings of International Conference on Wireless Communication: ICWiCOM 2017 (with Deshmukh Amit & Ray K. P.).
15. Editor-in-Chief, Proceedings of "DJASCI 2017", Excel India Publishers, ISBN: 978-93-86724-10-6.
16. Editor-in-Chief, Proceedings of "DJ Spark 2017", ISBN: 978-93-86256-77-5.
17. Editor-in-Chief, Proceedings of "DJ Spark 2016", ISBN: 978-93-85777-54-7.
18. Editor in Chief of Procedia Computer Science: ELSEVIER/ScienceDirect, Volume 45 (2015); Proceedings of International Conference on Advanced Computing Technologies and Applications (ICACTA) organised by SVKM's DJSCE, ISSN: 1877-0509 (with Dr. Abhijit R. Joshi and Dr. Narendra Shekokar).

*Edited Book/
Text Book/
Book Chapter/
Proceedings:*

19. "Perfect Product Launching strategies in the Context of Survival of Small Scale, Consumer Products Industries" Dr. Hari Vasudevan, in K. Shah, V.R. Lakshmi Gorty and A. Phirke (Eds.): ICTSM 2011, CCIS 145, pp.321-326, 2011, Springer "Verlag Berlin Heidelberg 2011.
20. "Effect of Market Turbulence and Market Focus on Firm's Performance in Small and Medium Scale Manufacturing Firms" in S. Bhargava (ed.) IIT Bombay, Entrepreneurial Management, (Sage Publications), Feb. 2008 (with Gaur S.S.).

*National
Publications:
Journal*

1. "A Review of Machining Processes and Machinability in the case of GFRP Composite Materials" in the IPI Journal, the Official Publication of Indian Plastics Institute, Vol.18, Iss 03, August/September 2013 (with Rajguru Ramesh).
2. "Electron- Beam Curing of Polymeric Composites: An Enabling Technology for Advanced Manufacturing in the IPI Journal/Official Publication of Indian Plastic Institute, Vol.18, Iss.2, June/July 2013 (with Deshpande Naresh).
3. "Quality Improvement in the Manufacture of Air Circuit Breakers" Dr. Hari Vasudevan, TECHNOFOCUS: Journal for Budding Engineers Vol.1 (2), 2011 (with Valia Akash).
4. "Press working of Composite Sheets: A Compound Die Design Approach" Dr. Hari Vasudevan, TECHNOFOCUS: Journal for Budding Engineers Vol.1 (1), 2010 (with Phadnavis Vrushank).
5. "Understanding the Benefits and Need for Implementation of ERP in Small and Medium Manufacturing Firms" in Voice of Technology, Indian Society of Manufacturing Engineers, 2004, Combined Issues 3 and 4, July/Sep and Oct/ Dec.
6. "Information & Communication" in Voice of Technology Indian Society of Manufacturing Engineers, 2000, Issue 4, Oct/Dec.

Work Books:

Two Engineering Drawing Workbooks covering the syllabus of "Engineering Drawing-I" and "Engineering Drawing -II" for Semester 1 and 2 respectively of the University of Mumbai during the academic year 1996-1997.

*National
Publications:
Conference*

1. "Application of Knowledge Management in an Indian Automotive Industry" in the National Conference of Emerging Trends in Engineering 'NCETE-13' during 4th & 5th January 2013, organized by M. H. Saboo Siddik College of Engineering, Byculla, Mumbai (with Chawan Anup).
2. "Delamination in Machining of Composite Materials: A Review in the Context of Drilling Operation" in the National Conference on Emerging Trends in Engineering 'NCETE-13' during 4th & 5th January 2013, organized by M.H. Saboo Siddik College of Engineering, Byculla, Mumbai (with Rajguru Ramesh & Deshpande N.C.).
3. "Near Dry Machining- a minimum quantity lubrication machining" in the National conference on Advances In Mechanical Engineering & Emerging Technologies (AMEET-12), organized by the Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur form April 07-08, 2012 (with Rajesh Patil and V.R. Kalamkar).
4. "A Modified Approach in Precision Manufacturing by Abrasive Flow Machining" in the National conference on Advances in Mechanical Engineering (Hyderabad: Vasavi College of Engineering, Andra Pradesh, India, May, 2005) (with Khavekar Rajendra, Lakal Narendra and Bhosale Ajit).
5. "Achieving Competitive Excellence in Contract processing in a Manufacturing Firm" in the National Conference on World Class Manufacturing (Wardha: B. D. College of Engineering, Sevagram, Maharashtra, India, March, 2004) (with Khavekar Rajendra and Lakal Narendra).

*Other
Experience:*

1. Member of the Board of Studies in Mechanical/Production/Automobile/Marine Engineering of the University of Mumbai and Convener, Syllabus revision committee in Production Engineering from the year 2006.
2. Visiting Faculty at Veermata Jijabai Technological Institute (VJTI), teaching M.Tech. (Production Engg.) students the subject of Supply Chain Management during January - May 2008.
3. Visiting faculty at NMIMS University's MPSTME, teaching subjects like "World Class Manufacturing" and "Manufacturing Systems & Strategy" for the MBA (Tech) course during the academic years 2006-2007, 07-08, 08-09 & 09-10.

*Other
Experience:*

4. Visiting faculty at NMIMS University's MPSTME, Shirpur (Dhule) Campus teaching subjects like "Engineering Drawing" and "Material Science" for the MBA (Tech.) and B.Tech courses during the academic years 2007-2008 & 08-09.
5. Visiting faculty at Chetana's Ramprasad Khandelwal Institute of Management and Research, Bandra (E), Mumbai - 51 in the subject of Production Management for the academic year 1996-1997.
6. Visiting faculty at Shri Bhagubhai Mafatlal Polytechnic, Vile Parle (W), Mumbai during 1994-1996, teaching subjects such as Production Management, Work Study & Ergonomics and Engineering Drawing.
7. Mumbai University panel member for conducting group discussion and personal interview for the MMS admissions during 1996-1997 and 1997-1998 on behalf of Directorate of Technical Education, Maharashtra state.
8. Panel member at NMIMS University for conducting personal interview for the MBA (Technology) admissions during 2005-2006, 06-07, 07-08 & 08-09.
9. Visiting Faculty at SVKM's Institute of International Studies (IIS), teaching students of IIS and Kingston University, London for their graduate program, the subject of "Technology and Change" during academic year 2006-2007.

*Short Term
Training
Undergone/
Programs
Attended*

One-day workshop on "Skill India" under TEQIP, conducted by VJTI, Matunga, Mumbai on 25th February, 2016.

Indian Engineering Deans Council: Global Summit on Engineering Education - Current Scenario & Future Prospects organised by the Indian Society for Technical Education at Chennai during 31st July - 1st August, 2015.

NITIE: 1. Just in Time for Indian Industries.
2. Production Management.

ISME/IIF: 1. Advances in Press Tool Design and Manufacturing.
2. Preparing Foundries for the Challenges Ahead.
3. National Seminar on Centre less Grinding.
4. International Conference on Advances in Manufacturing Technology.
5. National seminar on Metrology and Inspection.
6. High Tech Manufacturing.

ISTE Trends and Advances in Machine Tools and Manufacturing.

NQCM Three Keys for Business Excellence.

IIT PAN-IIT Conferences at IIT Bombay and IIT Madras.

*Programs
Coordinated/
Chaired*

Invited Speaker to address the delegates of World Education Congress (12th Edition) held on 14/07/2023 at Taj Lands End, Bandra, Mumbai on the topic "Affordable & Sustainable Education for All : The Role of Technology".

Panel Member: Discussion on "Holistic Multidisciplinary Education with Universal Human Values, Are we Ready for Change?", during the National Symposium on the Theme: Enhancing Quality & Driving Change in Higher & Technical Education through NEP-2020-Opportunities for Stakeholders, organised by the IQAC, Thakur College of Engineering and Technology, Mumbai on the 27th of April 2021.

Session Chairman (Session: Advanced and Traditional Optimization Techniques) in the 4th International Conference on Industrial Engineering (ICIE-2017) organised by SVNIT, Surat from 21st to 23rd of Dec-2017.

Session Chairman during the 1st International Conference on Emerging Trends in Computer and Mechanical Engineering (ICETCAME-17) organised by SBMP, Mumbai from 15th to 16th of December 2017.

*Programs
Coordinated/
Chaired*

Panel member: Discussion on “How Internet of things will be the game changer” organised by NASSCOM jointly with L&T Technology Services & Accenture as part of the NASSCOM COE-IOT conclave on 20th May 2016.

Session Chairman (Mechanical Engineering) in the International Conference on “Emerging Trends in Technology and its Applications” (ICETTA-2014), organized by Yadavrao Tasgaonkar College of Engineering & Management, Karjat, from 7th – 8th March 2014.

Convener of the International Conference on Communication Technologies (ICCT 2013) organized by Dwarkadas J. Sanghvi College of Engineering during October 2013.

Member-Interactive Panel, Session titled “An Exchange between Science and Spirituality- Outer Space and Inner Space” in the SSTech 2012, i.e. the 2-Day National Conference on Science and Spirituality in the age of Technology held from October 05-06, 2012, organized by the University of Mumbai, India jointly with Dr. T. D. Singh’s Institute of Science and Religion at the University of Mumbai campus, Kalina, Mumbai.

Session Chairman in the International Conference on Recent Advances in Engineering, Technology and Management: SPICON 2012, organized by the Mechanical Engineering Department., SPCE from May 31st – June 2nd, 2012.

Session Chairman in the International Conference on ‘Sustainable Manufacturing: Issues, Trends and Practices’ (ICSM2011) organized by the Mechanical Engg. Dept., BITS Pilani, from 10th – 12th November 2011.

Convener, National Conference on Communication Technology (NCCT 2011) organized by Dwarkadas J. Sanghvi College of Engineering during October 2011.

Organising Secretary, International Conference on Technology Systems and Management (ICTSM) organized by Dwarkadas J. Sanghvi College of Engineering jointly with MPSTME of NMIMS (Deemed to be university) during February 2011.

Vice Chairman, Asia Pacific Regional Conference in ICTM – 2010 organized by Dwarkadas J. Sanghvi College of Engineering jointly with MPSTME of NMIMS (Deemed to be university) during March 2010.

Session Chairman (Manufacturing/ Automobile/Others): National Conference on Recent Trends in Mechanical engineering (NCRTME-2010) organised by Datta Meghe College of Engineering, Airoli, Mumbai (August 2010).

Session Chairman National Conference on Advances in Mechanical Engineering (NCAME09), organized by the Mechanical Engineering department of MCT’s Rajiv Gandhi Institute of Technology of Technology, Mumbai in Association with Bhabha Atomic Research Centre, Mumbai during 15-16th January 2009.

Organizing Committee member: National Conferences on Information and Communication Technology (NCICT) organized by Dwarkadas J Sanghvi College of Engineering during the years 2007, 2008 and 2009 as well as “Faculty Development Program” and “Seminar on Engineering Education: Challenges and Perspectives” approved by Indian Society for Technical Education at DJSCE from the 2nd to 6th January, 2007.

Coordinator: Short Term Training Program on “Computer Aided Solutions for Engineering Applications” recognized and approved by the Indian Society for Technical Education, New Delhi at DJSCE from 11th Dec’ 2006 to 22nd Dec 2006.

*Awards
Received:*

- 1) Received the “Top Most Influential Principals (Education)” award at the World Education Congress 2023, 12th Edition, held at Taj Lands End, Bandra (W) on 14th July, 2023.
- 2) Received the “Late Prof. Y.K. Bhushan: Most Influential Professors” award at the World Education Congress 2023, 12th Edition, held at Taj Lands End, Bandra (W) on 13th July 2023.
- 3) Received Pratheeksha foundation award for social and educational contribution in the society on the 16th of October, 2022 from Shri Shripad Naik, Hon. Minister, Govt. of India.
- 4) Received “Outstanding Leader in Higher Education” award from Elets Education at the Education Innovation Summit, Pune on 10th December, 2022.

*Awards
Received:*

- 5) Received "EDUCATION LEADERSHIP AWARD" from "DYNERGIC Business Solutions" as part of their "GOLDEN AIM AWARDS for Excellence & Leadership in Education" on 19th June, 2020.
- 6) Received the "The IEI-FCRIT Excellence Award" for recognition of Academic Excellence as Principal, during the 3rd Biennial International Conference (ICNTE 2019) jointly held by The Institution of Engineers (India), Belapur Chapter & Fr. C. Rodrigues Institute of Technology, Vashi on the 05th of January 2019 at Vashi.
- 7) Received the "Distinguished Principal" award from the CSI (Computer Society of India) during the "TechNext India 2017", Symbiosis of Academicians and IT Industry, held at the Victor Menezes Convention Centre (VMCC) of IIT Bombay on 15/01/2017.
- 8) Received the "Social Action Award" from Indian Development foundation, a National Level NGO during the year 2015-16.
- 9) Received the Best Research Paper Award during the International Conference on Mechanical and Production Engineering (ICMPE) at Pune on 07th of August 2016.
- 10) Received the Best Paper Award during the 2nd International Conference on Business Intelligence, Analytics and Knowledge Management (BIAKM-2013), organised from April 18-19, 2013 at IBS, IFHE University, Hyderabad, India.

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