

Name of Teaching Staff : Mr. Naresh C. Deshpande

Designation : Assistant Professor

Department : Dept. of Mechanical Engg.

Date of Joining the Institution : 01.07.1997

Qualifications with Class / Grade : (1) PhD (Mechanical Engg.) Pursuing.

(2) M.E. (Mechanical Engg.), Dec. 2013, Ist class with distinction, 70.86%, Mumbai university.

(3) B.E. (Production Engg.), May 1994, Ist class with distinction, 77.02%, Dr. Babasaheb Ambedkar Marathwada University Aurangabad. ***Ist Rank in University.***



Total Experience in Years : **Teaching: 23 years**

1. Assistant Professor in Mechanical Engg. From 26-04-2018 till date.
2. Assistant Professor in Production Engg. From 1-1-2006 till 26-04-2018.
3. Lecturer (Sr.Scale) in Prodn. Engg., Dwarkadas J. Sanghvi College of Engg. from 1-4-2005 till 1-1-2006.
4. Lecturer in Production Engineering, Dwarkadas J. Sanghvi College of Engg. from 1-7-1997 to 31-3-2005.

Industry: 10 months

1. Engineer (Production), Garware Polyester's Ltd., Aurangabad from 14-9-94 to 31-3-95.
2. Apprentice, Needle Roller Bearings (N.R.B.) Jalna from September, 1995 to December, 1995.

Papers Published in Journals : **National:-- 01**

(1) *“Electron-Beam Curing of Polymeric Composites: An Enabling Technology for Advanced Manufacturing”* in IPI journal (The official publication of Indian Plastics Institute), June/July 2013, Vol.18, issue 2.(with Dr. Hari Vasudevan)

International :-- 09

(1) “*Machining Induced Surface Integrity Aspects of Stainless Steels: A Review*” in Elsevier Journal “Materials Today: Proceedings” vol.22 (2020) pp. 1499 -1506 (doi: 10.1016/j.matpr.2020.02.067) (with Dr. Hari Vasudevan)

(2) “*Grey Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites*” in Elsevier Journal “Procedia Engineering” vol. 97 (2014) pp. 85 – 94 (doi: 10.1016/j.proeng.2014.12.228) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(3) “*Multiobjective Optimization of Drilling Characteristics for NEMA G -11 GFRP/Epoxy Composite using Desirability Coupled with Taguchi Method* ” in Elsevier Journal “Procedia Engineering” vol. 97 (2014) pp. 522 – 530 (doi: 10.1016/j.proeng.2014.12.278) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(4) “*A study on Edge Milling Operation of NEMA G11 GFRP Composites based on Grey-Taguchi method*” in the international journal Applied Mechanics and Materials - ISSN:660-9336, (doi:10.4028/www.scientific.net/AMM.592-594.18) Vols. 592-594 (2014) pp.18-22, (with Dr. Hari Vasudevan and Ramesh Rajguru)

(5) “*Desirability Fuzzy Multiple criteria Optimization of Process Parameters in CNC Turning of GFRP/ Vinyl ester Composites*” in Elsevier published Journal “Procedia Material Science” Vol. 5 (2014) pp. 2458 – 2467 (with Dr. Hari Vasudevan and Ramesh Rajguru).

DOI: 10.1016/j.mspro.2014.07.497

(6) “*Experimental Investigation and Optimization in Edge Milling of NEMA G-11 GFRP/Epoxy Composites*” presented in Elsevier published Journal “Procedia Material Science” Vol. 5 (2014) pp. 2105 – 2114 (with Dr. Hari Vasudevan and Ramesh Rajguru).

DOI: 10.1016/j.mspro.2014.07.546

(7) “*Investigation of the Machinability Characteristics of GFRP/ Epoxy Composites using Taguchi Methodology*” in the international Journal of Applied Mechanics and

Materials (AMM) Vol. 612 (2014) pp 123-129, as a special volume titled “Advanced Research in Design, Manufacturing and Materials”. Published by Trans Tech Publications Ltd Switzerland,(doi:10.4028/www.scientific.net/AMM.612.123) (with Dr. Hari Vasudevan and Ramesh Rajguru).

(8) “*Investigation of the machinability characteristics of GFRP/vinyl ester composite using design of experiments*”, in the International Journal of Machining and Machinability of Materials: Special issue on Machining of Advanced Materials, Inderscience 2014, Vol.15, No.3/4, pp.186 – 200 ISSN (Online): 1748-572X - ISSN (Print): 1748-5711. (with Dr. Hari Vasudevan and Ramesh Rajguru)
DOI: 10.1504/IJMMM.2014.060549

(9) “*Exploring the performance of a Single Cylinder Diesel Engine with alternative fuels such as CME and CME-Diesel Blends*” in the International Journal of Current Engineering and Technology, InPressco International Press Corporation, Vol. 3, Issue 3, pp.1-4, ISSN 2277-4106 (with Dr. Hari Vasudevan, Sandip Mane and Rajguru Ramesh).

Papers Published in conferences

: **National**:-- 02

(1) “*Analysis of Compliant Cellular Materials for Potential Industrial Applications*” in the National Conference on Innovation in Futuristic Materials & Manufacturing Techniques [IFMMT-2014], during 26th and 27th December 2014, organized by Department of Mechanical Engg., School of Engg. And Tech., Manipal University, Jaipur. (with Umang Dadhich and Ometz Elijah)

(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 Dr. Hari Vasudevan and Ramesh Rajguru)

International :- 14

(1) “*Grey Fuzzy Multiple Criteria Optimization of Process Parameters for CNC turning of GFRP/Vinyl Ester Composites*”, presented at 1st International Conference on Materials, Manufacturing and Design Engineering. (ICMMD-2016) held at Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India, during December 20-21, 2016. (with Dr Hari Vasudevan and Ramesh Rajguru)

(2) “*Multiple Criteria Optimization of Process Parameters for Edge Milling of NEMA G11 Composites using Desirability Function Analysis*”, presented at 1st International Conference on Materials, Manufacturing and Design Engineering. (ICMMD-2016) held at Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India, during December 20-21, 2016. (with Ramesh Rajguru and Dr Hari Vasudevan)

(3) “*Optimization of Cutting Parameters for Surface Roughness in Machining of GFRP Composites*”, presented at 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) held at College of Engineering Pune, Maharashtra India, during December 16-18, 2016. (ISBN: 978-93-86256-27-0) (with Dr. Hari Vasudevan, Ramesh Rajguru, Kalpesh Tank and Aman Tukrel)

(4) “*Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites*”, presented at 5th International & 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2014) held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (ISBN: 978-8-19274-610-4) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(5) “*Experimental Investigation and Optimization of Milling Parameters in the Machining of NEMA G -11 GFRP Composite Material using PCD Tool*”, presented in the International conference on All India Manufacturing Technology, Design and Research (AIMTDR-2014) held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (ISBN: 978-8-19274-610-4) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(6) “*Utility Fuzzy Multicriteria Optimization of Process Parameters in CNC Turning of GFRP/ Vinyl ester Composites*” presented in the ICMMM2014 conference held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014. (ISBN 978-93-80689-18-0) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(7) “*Grey fuzzy optimization of milling parameters for G-11 GFRP/Epoxy composites with multiple performance characteristics*” presented in the ICMMM2014 conference held at Indian Institute of Technology Madras, Chennai, during August 8-9, 2014. (ISBN 978-93-80689-18-0) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(8) “*Multi Criteria Decision Making using Fuzzy Inference System : A Case in Manufacturing*” presented in the ICCICCT 2014 conference organized by Noorul Islam centre for higher education, Noorul Islam university, Kumaracoil, Tamilnadu, India, from July 10-11, 2014. pp.1280 – 1286. (ISBN: 978-1-4799-4191-9) (doi:10.1109/ICCICCT.2014.6) (IEEE Xplore) (with Dr. Hari Vasudevan and Ramesh Rajguru)

(9) “*An Experimental Investigation into the Optimization of Cutting Force in CNC Turning of Woven Fabric based GFRP/Epoxy Composites using PCD Cutting Tool*” presented in the International Conference on Design, Manufacturing and Mechatronics organized by Trinity college of engineering and research Pune, Maharashtra, from 9th – 10th Jan.2014 . (with Dr. Hari Vasudevan and Ramesh Rajguru)

(10) “*An Experimental Study on the Performance and Emission Characteristics of a Single Cylinder Diesel Engine Using CME-Diesel Blends*”, in the International Conference on Renewable Energy and Sustainable Development (ICRESD-2014) organized by KJEE’s Trinity College of Engineering and Research, Pune from 9th to 10th January 2014 (with Dr. Hari Vasudevan, S. Mane and R. Rajguru).

(11) “*Analysis of a Multi-criteria optimization problem using Taguchi and Grey relational analysis: A case study in the machining of composite materials*” in the International Conference on Advances in Mechanical Engineering organized by the department of Mechanical Engineering, College of Engineering Pune, Maharashtra, from 29th-31st May 2013 . (with Dr. Hari Vasudevan and Ramesh Rajguru)

(12) “*Study of Cutting Force in CNC Turning of Woven Fabric based GFRP/Vinylester Composites using PCD Cutting Tool*” in the International Conference on Advanced Manufacturing and Automation (INCAMA-2013, ISBN 978-93-80686-50-9) organised by the Department of Mechanical Engineering (DST-FIST Sponsored) Kalasalingam University, Madurai, Tamil Nadu from the 28th-30th March 2013 . (with Dr. Hari Vasudevan and Ramesh Rajguru)

(13) “*Multi-criteria optimization using Taguchi and Grey relational analysis in CNC drilling of GFRP/E composite material*” in the International Conference on Advanced Manufacturing and Automation (INCAMA-2013, ISBN 978-93-80686-50-9) organised by the Department of Mechanical Engineering (DST-FIST Sponsored) Kalasalingam University, Madurai, Tamil Nadu from the 28th-30th March 2013. (with Dr. Hari Vasudevan and Ramesh Rajguru)

(14) “*Recent Trends and Developments in the use of Woven Fabric Reinforcements for Composite Materials*” in the International Conference on Innovations in Automation and Mechatronics Engineering 2013 (ICIAME-2013, ISBN 978-81-924744-03), organised by G.H.Patel College of Engineering & Technology, Vallabh Vidyanagar, Gujarat, India, 21-23 February 2013. (with Dr. Hari Vasudevan and Ramesh Rajguru)

- Research Grants : 1. Received University of Mumbai Minor Research Grant (Sr. No. 389) of ₹ 30000 during 2015-16, for project titled “Multi-Objective Optimization of Roughness Parameters during Turning of GFRP/Epoxy Composite Material”. (Along with Dr. Hari Vasudevan as co-investigator)
- Professional Memberships : 1. Life member of I.S.T.E. (Indian Society of Technical Education)
2. Life Member of I.S.M.E. (Indian Society of Manufacturing Engineers)

- Reviewer : 1. Reviewer for Elsevier published “International Journal of Taiwan Institute of Chemical Engineers”.
2. Reviewer for “Indian Journal of Engineering & Materials Sciences”.
- Guest Lecture / Technical Talk : 1. Delivered an Expert talk on “Low Cost Automation” at the national seminar on Affordable Technologies for SME sector in INDIA held on 27 th March 2015 at Lala Lajpatrai Institute of Management, Mahalaxmi, Mumbai.
- Awards : 1. Recipient of ‘Best Teacher Award’ for the academic year 2008–09 from department of production engineering. Award constituted by SVKM management, includes a certificate of honor, and Rs. 5,000/- in cash.