



Name of Teaching Staff : Prof. Ramesh R. Rajguru
Designation : Assistant Professor
Department : Dept. of Mechanical Engg.
Date of Joining the Institution : 12.07.2011
Qualifications with Class/Grade :
1. PhD (Mechanical Engg) (Pursuing)
2. M.E. (Mechanical Engg.), Dec. 2013, Ist class, 69.2%,
Mumbai university.
3. B.E., Sardar Patel College of Engineering from Mumbai
university, First Class with distinction (82.55%)

Total Experience in Years : **Teaching:** 3 years and 8 months

1. Assistant Professor in Mechanical Engg., Dwarkadas J. Sanghvi College of Engineering From 4-7-2012 till date.
2. Lecturer in Mechanical Engg., Dwarkadas J. Sanghvi College of Engineering From 12-7-2011 to 30-6-2012.
3. Visiting lecturer in Mechanical Engineering, Sardar Patel College of Engineering from 29-7-2010 to 29-04-2011.

Industry: 3 years

1. Worked as Production Officer in Production Sub-Assembly, Department of 118NE Car, PAL-PEUGEOT Ltd. Dombivli from 02/05/1995 to 30/06/1997.
2. Worked as Production Engineer at Aero -Tech Ducon India Pvt. Limited at TTC Rabale, Nav Mumbai from 01/07/1997 to 30/06/1998.

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

(1) "A Review of Machining Processes and Machinability in the case of GFRP Composite Materials" in IPI journal (The official publication of Indian Plastics Institute), August/September 2013, Vol.18, issue 3, ISBN 978-81-927125-0-5 (with Dr. Hari Vasudevan).

International :--

(1) "Grey Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites" accepted for publication in Elsevier Journal "Procedia Engineering" and oral presentation in the GCMM 2014 conference being held at Vellore Institute of Technology, Chennai, during December 8-10, 2014. (with Dr. Hari Vasudevan and Naresh Deshpande).

(2) "Multiobjective Optimization of Drilling Characteristics for NEMA G -11 GFRP/Epoxy Composite using Desirability Coupled with Taguchi Method " accepted for publication in Elsevier Journal "Procedia Engineering" and oral presentation in the GCMM 2014 conference being held at Vellore Institute of

Technology, Chennai, during December 8-10, 2014. (with Dr. Hari Vasudevan and Naresh Deshpande).

(3) “*A study on Edge Milling Operation of NEMA G11 GFRP Composites based on Grey-Taguchi method*” published in the journal Applied Mechanics and Materials - ISSN: 1660-9336, Vols. 592-594 (2014) pp 18-22,(doi:10.4028/www.scientific.net/AMM.592-594.18) and presented in the International Mechanical Engineering Congress (IMEC-2014) at NIT Trichy, Tamil Nadu, India during 13-15 June 2014. (with Dr. Hari Vasudevan and Naresh Deshpande).

(4) “*Desirability Fuzzy Multiple criteria Optimization of Process Parameters in CNC Turning of GFRP/ Vinyl ester Composites*” presented in the International conference on Advances in Manufacturing and Materials Engineering (ICAMME-2014) being held during March 27-29, 2014 and published by Elsevier Journal “Procedia Material Science”. (with Dr. Hari Vasudevan and Naresh Deshpande).

(5) “*Experimental Investigation and Optimization in Edge Milling of NEMA G-11 GFRP/Epoxy Composites*” presented in the International conference on Advances in Manufacturing and Materials Engineering(ICAMME-2014) being held during March 27-29, 2014 and published by Elsevier Journal “Procedia Material Science”. (with Dr. Hari Vasudevan and Naresh Deshpande).

(6) “*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 Naresh Deshpande).

(7) “*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 ISSN (Online): 1748-572X - ISSN (Print): 1748-5711. (with Dr. Hari Vasudevan and Naresh Deshpande).

(8) “*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, ISSN 2277-4106, InPressco International Press Corporation, Vol. 3, Issue 3 (with Dr. Hari Vasudevan, Sandip Mane and Naresh Deshpande).

Papers Published in Conferences : **National**:-

(1) “*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 Naresh Deshpande).

International :-

(1) “*Utility Fuzzy Multiobjective Optimization of Process Parameters for CNC Turning of GFRP/Epoxy Composites*” , accepted for oral presentation in the International conference on All India Manufacturing Technology, Design and Research (AIMTDR-2014) being held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (with Dr. Hari Vasudevan and Naresh Deshpande).

(2) “*Experimental Investigation and Optimization of Milling Parameters in the Machining of NEMA G -11 GFRP Composite Material using PCD Tool*” , accepted for oral presentation in the International conference on All India Manufacturing Technology, Design and Research (AIMTDR-2014) being held at Indian Institute of Technology Guwahati, Assam, India during December 12-14, 2014. (with Dr. Hari Vasudevan and Naresh Deshpande).

(3) “*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 Naresh Deshpande).

(4) “*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 Ram Naresh Deshpande)

(5) “*Multi Criteria Decision Making using Fuzzy Inference System : A Case in Manufacturing*” presented in the ICCICCT 2014, at Noorul Islam centre for higher education Noorul Islam university Kumaracoil, Tamilnadu, India, during July 10-11, 2014.(IEEE Xplore Library) (with Dr. Hari Vasudevan and Naresh Deshpande).

(6) “*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 Naresh Deshpande).

(7)“*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, Naresh Deshpande).

(8) “*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 Naresh Deshpande).

(9)“*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 Naresh Deshpande).

(10)“*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 Naresh Deshpande).

(11)“*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 Naresh Deshpande).

Professional Memberships : 1. Life Member of I.S.M.E. (Indian Society of Manufacturing Engineers)

Awards : -