

## List of Papers published by faculty in National/International conferences/ Journals

( for years 2002-03, 2003-04 , 2004-05, 2005-06, 2006-07 and (till date )

**Name of Department :- Production Engineering and Workshop**

**Year :- 2002 – 03.**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	R. B. Ingle, B. B. Ahuja, S. M. Joshi	Static, Dynamic Deflections And Vibration Spectrum Analysis of Carbon-Epoxy Shafts in Aerostatic Conical Bearings	16-18 December 2002 Second International Conference on Vibration Engineering and Technology of Machinery, (VETOMAC-2, Mumbai, India.)	64 – 73
2	R. B. Ingale, B. B. Ahuja S. K. Basu	Design Optimization, Dynamic Analysis and Performance Characteristics of various Composite Shafts in Aerostatic Conical Journal Bearings.	June 9-12,2002 Conference on Tribology, NORDTRIB-02, Royal Institute of Technology, Stockholm, Sweden	85 – 93
<b>National Conference</b>				
1	L. G. Navale B. B. Ahuja S. S. Udgirkar	Dynamic Behaviour of some Composites used in Machine Tools	28-29 March 2003 National Conference on Advances in Manufacturing Systems 2003, organised by Production Engineering Department, Jadavpur University, Kolkata.	48 –54
<b>International Journal</b>				
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<b>National Journal</b>				
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**Name of Department :- Production Engineering and Workshop**

**Year :- 2003 – 04.**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
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<b>National Conference</b>				
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<b>International Journal</b>				
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<b>National Journal</b>				
1	Dr. B. B. Ahuja, Dr. L. G. Navale Dr. S. K. Mahajan	Influence of Surface Asperities on Contact Deformation of Machine Tool Members	Journal of Institution of Engineers (India), Vol. 84, September 2003	1-6

**Name of Department :- Production Engineering and Workshop**

**Year :- 2004 – 05.**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	U. M. Shirsat, Dr. B. B. Ahuja	Effect of Ball burnishing Parameters on Surface finish and Surface Hardness using Factorial Design	December 8 – 10, 2004. 1 <sup>st</sup> International Conference on Manufacturing and Management, GCOMM 2004, Vellore Institute of Technology, Vellore & Queensland University of Technology, Brisbane, Australia.	86-90
2	Dr. R.B. Ingale	An Experimental Investigation An	Composites Science and Technology	604-612

	Dr. B.B. Ahuja	Experimental Investigation on Dynamic Analysis of High speed Carbon – Epoxy Shaft in Aerostatic Conical Journal Bearings”	Paper No. : CST – AA03 – 754) March 21, 2005	
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<b>National Conference</b>				
1	S.S.Ohol, B. B. Ahuja and S.R.Kajale	Improvements in the Grasping Modality of Gripper	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	15-21
2	Rajiv B., Dr. B. B Ahuja	Critical Analysis of Work Design Criteria and Assessment of Human reliability	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	192 – 200
3	R.L.Navale, B. B. Ahuja, L. G. Navale	Tool Failure Detection in End milling operation using Neural Network Approach	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	243-249
4	Avinash M. Badadhe, Dr. L. G. Navale, Dr. S. Y. Bhav	Machining time reduction in boring process by on line monitoring and control	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	256 – 260
5	Mrs. N. R. Rajhans, B. B. Ahuja	Cellular Clustering Algorithm in a Mixed Layout	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of	354-359

			Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	
6	S. V. Wagh, V. Mohandas, Dr. L.G. Navale	Analysis of Resistance Spot Welding of Dissimilar Metal	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	388 – 392
7	Dinesh R. Shende, Mr. Prakash D. Pantawane, Dr. P.P.Chikate	Dynamic Behavior Of Bolted Joints With Different Surface Topography And Viscoelastic Materials In Between	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	180 – 185
8	Mrs. Mulay Arati Vinayak, Prof. R. M. Kelkar	Finite Element Analysis of Corrugated Shells Used In Heat Exchangers: A Case Study	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	231-238
9	Mr. Sudhir M. Patil, Prof. K. G. Patil	Effect Of Parameters On The Surface Roughness Of Cut Surface In Air Plasma Cutting System	January 21 – 22, 2005. National Conference on Advances in Manufacturing Technology in the Era of Globalisation – 2005, Deptt. of Production Engg. Pune Institute of Engg. & Technology, Pune:-411005.	360 – 366
<b>International Journal</b>				
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<b>National Journal</b>				
1	R.B. Ingle, B. B. Ahuja,	Analysis of Carbon-Epoxy Shaft in Aerostatic Conical Journal Bearings – No	Journal of Institution of Engineers (India),	69 – 77

	S. M. Joshi	Rotational Case	Journal Vol. 85, July 2004.	
2	N. R. Rajhans and Dr. B. B. Ahuja	Redesigning of Mixed Layout to Increase Productivity	Manufacturing Technology Today Vol. 3, Issue 8, Aug. 2004.	4 – 6
3.	U. M. Shirsat and Dr. B. B. Ahuja	Parametric analysis of combined turning and ball burnishing process	Indian Journal of Institution of Engineering & Material Sciences, Vol. 11, October 2004.	391-396

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2005 – 06**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	C. S. Pathak Dr. L. G. Navale	Effect of Stress Relieving method on Fracture Roughness of weldment specimen.	July 12-14, 2005. 4 <sup>th</sup> International Conf. on Fracture & Damage Mechanics, Mallorca, Spain.	----
<b>National Conference</b>				
1	S. T. Chavan, Dr. B. B. Ahuja	A study on static characteristics of conical air bearing with feed slots	May 13 – 14, 2005 National Conference on Advances in Mechanical Engineering – AIM - 2005, Mechanical Engineering Department, Vasavi College of Engineering, Hyderabad – 500 031, Andhra Pradesh.	D33 – D37
2	S.B.Zope, Dr.B.B.Ahuja Dr.S.K.Basu	A study of machining characteristics in rotary electrochemical discharge machining.	December 16-17, 2005 4 <sup>th</sup> National conference on Precision Engineering (COPEN-2005), Kolkata	242-247
<b>International Journal</b>				

1	Dr.B.B.Ahuja Dr. R.B.Ingale	An Experimental Investigation on Dynamic Analysis of High Speed Carbon-Epoxy Shaft in Aerostatic Conical Journal bearings.	Vol.66, Issues 3-4, March 2006 International Journal of composite Science and Technology(UK, Aus and USA)	604-612
<b>National Journal</b>				
1	N. R. Rajhans and Dr. B. B. Ahuja	Analyzing Decision Factors for redesigning a Plant Layout using Analytical Hierarchical Processing	Journal of Institution of Engineers (India), Journal Vol. 86, May 2005.	5-8
2	U. M. Shirsat and Dr. B. B. Ahuja	Effect of Lubrication on Surface Finish and Surface Hardness of Burnished Component	Journal of Institution of Engineers (India), Journal Vol. 86, July 2005.	91-94

3	R. B. Ingle & Dr. B. B. Ahuja	An Experimental Investigation on performance characteristics and natural frequency Analysis of High Speed Carbon - Epoxy Shafts in Aerostatic Conical Journal Bearings.	Journal of Scientific and Industrial Research Vol. 64, August 2005.	571-580
4.	N.R.Rajhans and Dr. B.B.Ahuja	“Monte – Carlo Simulation for Enhancing Production Rate in a Company using Multiple Models of Product”	Journal of Institution of Engineers (India), Journal Vol.86, September 2004	27-34

**Name of Department :- Production Engineering and Workshop**

**Year :- 2006 – 07**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	S. B. Zope & Dr. B. B. Ahuja	An experimental study of Electrochemical Discharge Machining	International Conference on Global Conference on Manufacturing and	---

		using various tool Kinematics	Management, GCMM 2006, Santos, Brazil.	
2	S. B. Zope & Dr. B. B. Ahuja	Micro Drilling of Glass Wafer using Static Electrochemical Discharge Machining	International Conference on Advances on Mechanical Engineering, SRM Institute of Science and technology Deemed university, Chennai, India, 14-16 December, 2006	240-242
3	S. B. Zope & Dr. B. B. Ahuja	Optimisation of Rotary Electrochemical Discharge Machining	First International and 22 <sup>nd</sup> All India manufacturing Technology Design and Research Conference, Indian Institute of Technology Roorkee, Roorkee, India, 21-23 December, 2006.	
4	S.T.Chavan & Dr. B.B. Ahuja	“Optimization of Film Thickness and Depth of Slot for Aerostatic Conical Bearing with Feed Slots”	International Conference on Advances in Machine Design And Industry Automation, Department of Mechanical Engineering, College of Engineering, Pune, India. 10-12 January, 2007	101-105
5	S.S.Ohol, S.R.Kajale, S.M.Deo, S.K.Mahajan, Dr. B.B.Ahuja	Sensitivity Analysis of Soft Piezoelectric-Electroactive Material for Developing a Tactile Sensor	International Conference on Advances in Machine Design And Industry Automation, Department of Mechanical Engineering, College of Engineering, Pune, India. 10-12 January, 2007	465-470
<b>National Conference</b>				
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<b>International Journal</b>				
1	R.B.Ingale & B.B.Ahuja	“An Experimental Investigation on Dynamic Analysis of High Speed Carbon - Epoxy Shafts in Aerostatic Conical Journal Bearings.’	International Journal of Composite Science and Technology (UK, Aus and USA) Vol. 66, Issues 3-4, March 2006	604 – 612
2	S.K.Basu, B.B.Ahuja,	A comparative analysis of Gas strut and Ordinary Cushion Seat for Bicycle	International Journal of Manufacturing Technology and Research	55-60

	Rajiv B.		Vol 2, Issue 3, July 2006	
<b>National Journal</b>				
1	M.D. Jaybhaye and B.U. Sonawane	Reliability Analysis of Some Machine Tool Elements	Journal of Institution of Engineer (India) Production Part, Vol-87, September 2006	7-10

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2007 – 08**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Rajiv B, Dr. B.B. Ahuja and Dr. S.K. Basu	"Analysis of Man-Machine Learning Phenomena based on Progress Elasticity and Relative Reliability Risk Index (R3I)"	Xth International Conference on Engineering and Technology Education, Santos, Brazil	No.126
2	Dr.(Mrs.) N.R.Rajhans, Dr.B.B.Ahuja, R.G.Rajhans	“Analyzing Factors Affecting Driving Comfort and their Inter Relationship in a Passenger Car using Analytical Hierarchy Process.”	International Ergonomics Conference, HWWE-2007 10-12 December, 2007	
3	Prof.(Mrs.) R. S. Bindu, Dr. B.B.Ahuja	“ AHP Based Strategic Sourcing-A Novel Integration for Vendor Selection”	International conference on Issues and Chaknges in Supply Chain Management(ICSCM) 28-30 March,2008	Pages 231-235
<b>National Conference</b>				
1	S. M. Patil, A. S. Kamble, K. G. Patil	“Improvement of Overall Equipment Efficiency (OEE) through Autonomous Maintenance in Total Productive Maintenance (TPM)”	October 19 – 20, 2007 National Conference on Advances in Manufacturing (NCAM), Fr. Conceicao Rodrigues College of Engineering, Bandra (W), Mumbai.	Pages 115 – 120
<b>International Journal</b>				



**National Journal**

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2008 – 09**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	R. G. Rajhans, Dr.(Mrs.) N. R. Rajhans, Dr. B. B. Ahuja	“Study of weight distribution on automobile seat through Pressure Mapping”	December 22 – 24, 2008 “Humanizing Work and Work Environment (HWWE)” International Ergonomics Conference, 2008, Organized by VIIT, Pune	
2	Rushikesh Godbole, Tejas Bendarkar, N. R. Rajhans, B. B. Ahuja	“Ergonomic considerations for designing rowing boats for Indian rowers”	December 22 – 24, 2008 “Humanizing Work and Work Environment (HWWE)” International Ergonomics Conference, 2008, Organized by VIIT, Pune	
3	B.B.Ahuja	“Expanding Horizons of Micro and Nano-Manufacturing”	8-14 March 2009 The 4 <sup>th</sup> Indo-Japan Seminar on Micro / Nano Manufacturing Science at Symbiosis Institute of Technology, Pune.	187-194
4	Ganesh Bhutkar, Avinash Konkani, Neela Rajhans, Manik Dhore	Usability issues of user manuals provided with medical equipments in Indian ICUs	December 22 – 24, 2008 “Humanizing Work and Work Environment (HWWE)” International Ergonomics Conference, 2008,	279-

			Organized by VIIT, Pune	
<b>National Conference</b>				
<b>International Journal</b>				
<b>National Journal</b>				
1	B.Rajiv and Dr. B.B.Ahuja	“Analysis of Hand and Foot Force with respect to Industrial Chair and Assessment of Human Reliability” Journal of Institution of Engineers (India),	Journal of Institution of Engineers (India), September 2008	Pages 3-9

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2009– 10**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	S. P. Latkar, B. Rajiv, G. S. Latkar, B. B. Ahuja, S. K. Basu	Comparative Analysis of Various Parameters in Near Dry EDM for Nickel based Alloy	International Conference on Advances in Mechanical Engineering (ICAME-2009) 3-5 August, 2009	889-893
2	P. S. Kalos, K. N. Nandurkar, B. B. Ahuja, L. G. Navale	Analysis of Roundness in Straight Turning using Response Surface Method	International Conference on Advances in Mechanical Engineering (ICAME-2009) VNIT, Surat, Gujrat 3-5 August, 2009	949-953
3	Mrs. A. V. Mulay,	“Automatic Surface Generation using	Sixth International Conference on	A-5 to A-12

	Dr. B. B. Ahuja	Octree Segmentation and Delaunay Triangulation from Unorganized Data”	Precision, Meso, Micro and Nano Engineering, Coimbatore 11-12 December 2009	
4	B.B.Ahuja, S.P.Lathkar, S.K.Basu	Some Investigations on Near Dry EDM Process for Micro-Drilling	15-19 March 2010 The 5 <sup>th</sup> Japan-India Joint Seminar on Production, Measurement, Quality Control & Micro/Nano Manufacturing at Tokyo, Japan	17-24
<b>National Conference</b>				
1	Mrs. A. V. Mulay, Dr. B. B. Ahuja	Scanned data triangulation for Rapid Product Development	May 12-13, 2009 National Conference on Rapid Prototyping and Manufacturing [RPM-2009] organized by Department of Industrial Engineering and Management, R. V. College of Engineering, Bangalore: 560059	59-68
2	Shripad Kamlakar & Rajiv B.	Optimisation of various parameters using Modified Genetic Algorithms (MGA)	5 <sup>th</sup> October 2009 National Conference on Advances in Mechanical Engineering AME-09, Mysore, Karnataka	
3	Mrs. Vaishali Jadhav, Dr. M. D. Jaybhaye	“Contact deformation study of Ultra High Molecular Weight Poly Ethylene (UHMWPE)”	February 19-20, 2010 National conference on recent advances in manufacturing technology and management (RAMTM-2010), at Jadavpur University Kolkata	
<b>International Journal</b>				
1	B U Sonawane, Dr. B B Ahuja, Dr. S. K. Basu	Non-parametric evaluation of reliability of process having multiple functional attributes	Manufacturing Technology and Research an International Journal, Issue 3-4, Volume – 5, July-Dec.2009.	
2	P S Kalos, K N Nandurkar, B B Ahuja, L G Navale	“Analysis of Roundness in Straight Turning using Response Surface Method”	International Journal for elsevier	

3	S T Chavan, B B Ahuja	“Effect of Cone Angle and Length of the Slot on the Performance of Feed Slot Conical Air Bearing”	International Journal Design Engineering, Vol. 2, No.2, 2009	224-237
4	Suhasini Desai, G. S. Tasgaonkar, Neela R. Rajhans and Datta Dange	Performance Evaluation of Flat Plate Solar Reactor For TiO <sub>2</sub> Assisted Photocatalytic Dye Degeneration In Treatment of Textile Effluents Under Natural Sunlight	International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.3, No. I (2010),	237-246
<b>National Journal</b>				
1	B U Sonawane, Dr. B B Ahuja	“Modelling for Availability of a Reliability –Based System using Monte Carlo Simulation and Markov-Carlo Analysis”	The Institution of Engineers (India), Production Division, Vol. 90, September 2009	1-5
2	Ganesh Bhutkar, Dr. Mrs. N. R. Rajhans	Usability of User Manuals with Medical Devices	October-December 2009 Medical Equipments and Automation Magazine	---
3	B U Sonawane, Dr. Rajiv B, P.K.Chattopadyay	Critical and hazard Analysis of a system using AHP and Risk Priority Number	The Institution of Engineers (India), Production Division, Vol. 91, March 2010	33-38
4	S.M. Bhosle, B.U. Sonawane and P.R. Chtragar	Experimental Determination and Formulation of Mathematical Model for Contact Deformation of Nylon and PVC.	Journal of Manufacturing Engineering, March 2010, Vol. 5, Issue 1.	38-44

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2010– 11**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Jayant S. Karajagikar, Dr.B.B.Ahuja, Dr. N.R. Rajhans, R.G.Rajhans.	Vibration Analysis on Driver Seat For Small Cars. SAE Paper No.2011-26-0119	Symposium on International Automotive Technology, 2011 at ARAI organized by ARAI & SAE.	100-101
2	Dr. N.R. Rajhans	Ergonomic Posture for Motorcycle Riding.	International Conference on Innovative Science and Engineering Technology, V.V.P COLLEGE OF ENGINEERING, RAJKOT	
3	Dr. B. U. Sonawane, Dr. (Mrs.) N. R. Rajhans, Rahul Chaudhari, and Ratan Shome	Performance Evaluation of a Manufacturing Line with the help of Simulation	5th International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, 2011, S.V. National Institute of Technology, Surat.	
<b>National Conference</b>				
<b>International Journal</b>				
1	P S Kalos, K N Nandurkar, B B Ahuja, L G Navale	Analysis of Geometrical Tolerances in Straight Turning using Response Surface Method and Monte Carlo Simulation	International Journal on manufacturing Technology and Industrial Engineering (IJMTIE) 1(1) June 2010	45-55
2	(Mrs.) R.S. Bindu, Dr. B.B.Ahuja	A Rational Framework to Enhance Decision Making In a Multiobjective Multiattribute Situation –A Prerequisite for Performance Evaluation Based Supplier Selection	International Journal of Engineering Research and Industrial (IJERIA) Volume 3, No. III (August 2010)	115-124
3	Dr. B. U. Sonawane, Dr. (Mrs.) N. R. Rajhans, Rahul Chaudhari, and Ratan Shome	Performance Evaluation of a Manufacturing Line with the help of Simulation	International Journal of Advanced Manufacturing Systems (IJAMS), Vol. 2 No.1 January –June 2011 P	43-49
4	Shinge Abhijit , Anasane S.S.	Finite Element Analysis Of Modified Hip Prosthesis	International Journal of Advanced Biotechnology and Research ISSN 0976-	pp 278-285

			2612, Vol 2, Issue 2, June-2011,	
<b>National Journal</b>				
1	Mrs. R.S.Bindu, Dr. B.B.Ahuja	Vendor Selection in Supply Chain using Relative Reliability Risk Evaluation	Journal of Theoretical and applied Information Technology(JATIT) Vol. 16,No.2 June 2010	145-152
2	Rajiv B., B.B.Ahuja, S.K.Basu	Evaluation of Machine Learning Process	Journal of Institution of Engineers (India), Production Division, Accepted	21-24
3	Dr. (Mrs.) A. V. Mulay, Dr. B. B. Ahuja	“Adaptive Method for Rapid Product Development from Unorganised Point Cloud Data”	Journal of The Institution of Engineers (India),Vol. 91, March 18, 2011,	3-8
4	R. G. Rajhans, Dr. B. B. Ahuja	“Driving Comfort Factor to Assess Perceived Comfort based on Experimental Analysis”	Journal of The Institution of Engineers (India),Vol. 91, March 18, 2011,	18-21

**Name of Department :- Production Engineering and Workshop**

**Year :- 2011– 12**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	S. S. Joshi, P. D. Pantawane, B. B. Ahuja	Machining Characteristics Study of Friction Drilling Process on AISI 202 Stainless Steel	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN-7: 2011, College of Engineering, Pune. 10-11 December 2011	Pages 84-88
2	S.P. Lathkar, B.B. Ahuja, S.K.Basu	“Comparative Study of Near-dry EDM using Different types of Dielectrics”	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN-7: 2011, College of Engineering, Pune. 10-11 December 2011	Pages 198-202
3	S. S. Ohol, S. R. Kajale, B.B. Ahuja	Stable Grasping by Multifinger Robotic Gripper ( MRG )	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN-7: 2011, College of Engineering, Pune. 10-11 December 2011	Pages 447-451

4	P.D. Pantawane, B. B. Ahuja	“Statistical analysis of Friction drilling process on AISI 1015 using Taguchi Method”	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN-7: 2011, College of Engineering, Pune.10-11 December 2011	Pages 479-483
5	Sandeep Parkhe, M. D. Jaybhaye	Precision Sheet Metal forming and Simulation	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN	Pages 487-491
6	V.S.Joshi, G.S.Latkar, S. K. Basu	‘Monter-Carlo’ Simulation in Measuring Wear of Gears made of MoS <sub>2</sub> , Filled Polyamide	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN	Pages 484-486
7	S.N.Shinde P.D.Pantawane, B. Rajiv	Multi-Objective Optimization of CNC Turning of SAE 4340 Steel using Taguchi-Fuzzy Approach	7 <sup>th</sup> International Conference on “Precision, Meso, Micro and Nano Engineering COPEN	Pages 78-83
8	Dr. (Mrs.) N. R. Rajhans, N. Rajhans, A. V. Khatavkar, R. Deshmukh, A.D. Desai	Ergonomics consideration for driver seat comfort for Indian women population	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
9	Dr. (Mrs.) N. R. Rajhans and Mr. Anant Chakradeo	A Piolt study and analysis of Anthropometric Data for Indian Collegiate Competitive rowers	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
10	Dr. (Mrs.) N. R. Rajhans, Mr. Sahilsingh Rana, and Ms. Sneha	Statistical Analysis of SIZE INDIA database	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
11	Dr. (Mrs.) N. R. Rajhans and Mr. M. L. Chanpur	Ergonomic Bed to reduce bedsores for bedridden patient	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
12	Dr. (Mrs.) N. R. Rajhans and Mr. P. V. Jadhav	To reduce ergonomics risks at different workstations of female employees in engine Manufacturing Industry	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
13	Dr. (Mrs.) N. R. Rajhans and Mr. Snehal Kolekar	Design inputs for motorbike Riding Posture: An anthropometric Approach	International conference on Ergonomics and Human factors, Humanising Work and Work Environment 2011, Dec 15-17, 2011	
14	V.A.Kulakarni, B.B.Ahuja	Effect of Form Error Measurement usingCMM by Tauchi’s Parameter Design	International conference on Recent Technologies by Institute of Knowledge, College of Engineering, Pune, 9-11 February 2012	

15	Abira Dasgupta, Dilip Kulkarni, Neela Rajhans, A.V. Manikar	Digital Human Modelling for Indian Anthropometry	Asian Workshop on 3D Scanning Technologies, Tokyo, Japan, 17-18 April 2012	
16	N. R. Kolhalkar S. M. Patil	Safety analysis of loading capacity for a wall climbing robot with variation in the distance of center of gravity from the wall. <i>(Presented)</i>	March 12 - 14, 2012 International Conference on Advances in Mechanical Engineering (ICAME-2012), organized by Department of Mechanical Engg., Amrutvahini College of Engg., Sangamner – 422608, Maharashtra, India	209

### National Conference

1	Dr. Rajiv B & Mr. Nitin Ambi	Development of Warranty Prediction Model for Lawn and Gardening Equipments	National Conference on Recent Developments in Mechanical Engineering [RDME-2011], July 4-5, 2011	
2	N. R. Kolhalkar, S. M. Patil	Experimental Investigation of lifting capacity of a wall climbing robot with variation in the distance of centre of gravity from the wall and vacuum level <i>(Published)</i>	June 27-29, 2012 Proceedings of the 3 <sup>rd</sup> National Conference on Recent Advances in Manufacturing (RAM 2012) organized by The Department of Mechanical Engineering, S. V. National Institute of Technology (SVNIT), Surat: 395007, Gujarat, India	108-113

### International Journal

1	Manmohan Singh, M.D.Jaybhaye, Geeta S. Lathkar, S.K.Basu	Reliability Analysis of Electro-hydraulic based Auto-Levelling System for Mobile Platform	of Engineering & Innovative Technology (IJEIT) – Vol.1, Issue 2, February 2012, ISSN No. 2277-3754	103-108
2	P.D. Pantawane, Prof. B.B.Ahuja	“Experimental Investigations and Multi- objective Optimization of friction Drilling Process on AISI 1015”	International Journal of Applied Engineering Research, Dindigul Vol.2, No.2, 2011	448-460
3	N. R. Kolhalkar	Wall Climbing Robots: A Review	Volume 1, Issue 5, May 2012.	227-229



	S. M. Patil	<i>(Published)</i>	International Journal of Engineering and Innovative Technology (IJEIT) ISSN 2277-3754	
4	S Y Gajjal, M D Jaybhaye, A P S Gaur	Study the different Feedback Methods in Manufacturing Setup Errors for Constant and Random Variable”, International Journal of Mechanical Engineering Research and Development	International Journal of Mechanical Engineering Research and Development, Vol.1, No. 1, ISSN No. 2228-9355, 2011	60-67
<b>National Journal</b>				
1	Dr. (Mrs.) Arati Mulay, Dr. B.B.Ahuja	“New Method for Transformation of Scattered Point Cloud Data into Organised Data for Rapid Product Development”	Journal of Central Manufacturing Technology Institute, Vol. 10, Issue 11& 12 Nov-Dec 2011,	Pages 17-27

**Name of Department :- Production Engineering and Workshop**  
**Year :- 2012– 13**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Dr. (Mrs.) Arati Mulay, Dr. B. B. Ahuja	“Different Algorithms for Generation of STL file for Measured Point Cloud Data”	International Conference on “ Rapid Prototyping and Manufacturing Technologies, 2012” 27-28 <sup>th</sup> August 2012, Bangalore,	
2	V.W. Bembrekar, B.U. Sonawane, and J.K. Sawale	Experimental Investigations in Friction Drilling on Mild Steel and Aluminium by using Tungsten Carbide Tool	International Conference on Recent Trend in Engineering & Technology, 23 <sup>rd</sup> September, 2012 (ICARME-23SEP12-005), Pune, INDIA.	1-5
3	S.M.Patil, B. B. Ahuja	Effect of Variable Loading Frequency on Wear of PTFE Under Dry Sliding Condition Using Novel “Variable Loading	International Conference on Industrial Tribology organized by Tribology Society of India at The Westing, Koregaon Park,	TSI-812573/812581

		Wear and Friction Monitor (VLWAFM) Pin-on-Disk Sliding Tribometer"	Pune, 7-9 December 2012	
4	P. D. Pantawane, B. B. Ahuja	"Experimental Investigations and Characterization of Internal Thread Forming and Thread Cutting Process on Friction Drilled Holes"	4 <sup>th</sup> International & 25 <sup>th</sup> All India Manufacturing Technology Design and Research (AIMTDR-2012) Conference to be held in the Department of Production Engineering, Jadavpur University, Kolkata, 14-16 December 2012	Pages 40-45
5	Yogeshwar P. Sonawane, B. U. Sonawane, B. B. Ahuja, S.K.Basu	"Uses of Hydrostatically Loaded Blank Holder for Deep Drawn Shell with Uniform Thickness Strain & Wrinkle Free Surface"	4 <sup>th</sup> International & 25 <sup>th</sup> All India Manufacturing Technology Design and Research (AIMTDR-2012) Conference to be held in the Department of Production Engineering, Jadavpur University, Kolkata, 14-16 December 2012	Pages 728-732
6	N. N. Kumbhar, A. V. Mulay, B. B. Ahuja	"Scanned Data Triangulation using Delaunay Tetrahedralization approach for 3D Point Cloud Data"	4 <sup>th</sup> International & 25 <sup>th</sup> All India Manufacturing Technology Design and Research (AIMTDR-2012) Conference to be held in the Department of Production Engineering, Jadavpur University, Kolkata, 14-16 December 2012	Pages 643-648
7	Maneetkumar Dhanvijay, B. B. Ahuja	"Electrochemical Discharge Machining of Ceramics"	International Seminar on Manufacturing Design and Innovation, IITB, 3-8 December	
8	M. V. Walame, B. B. Ahuja	"Effect of Bond Length and Torsional Stiffness of Adherends on Torsional Strength of Adhesively Bonded Cylindrical Joints"	International Conference on Mechanical and Industrial Engineering (ICMIE) 20 January 2013	Pages 31-36
9	Manmohan Singh M D Jaybhaye S K Basu Geeta S Lathkar	Binary Decision Diagram Construction and Reliability Assessment	3 <sup>rd</sup> International Conference on Production and Industrial Engineering, CPIE 2013	1487- 1489
10	R P Kumbhar M D Jaybhaye	Modelling and simulation of suspension system using bond graph approach	International conference on Advances in Mechanical Engineering (ICAME)	S5/010 381-386

			Department of Mechanical Engineering, College of Engineering Pune 29 <sup>th</sup> to 31 <sup>st</sup> May 2013	
11	Rajiv B B B Ahuja S K Basu Amruta Gaikwad	Performance Analysis of EDM Process using Silicon Powder as Additive in Dielectric Fluid	International conference on Advances in Mechanical Engineering (ICAME) Department of Mechanical Engineering, College of Engineering Pune 29 <sup>th</sup> to 31 <sup>st</sup> May 2013	S11/012 818-824
12	Prerana Jakhotia, B.B.Ahuja, Tapan Patel	“Application of Dynamic Programming for Improving Storage Utilization in Manufacturing Environment”	International Conference on Sustainable Manufacturing and Operations Management ISOM-2013 26-28 June 2013	Pages 202-205
13	Prerana Jakhotia, B.B.Ahuja, Tapan Patel	“Re-balancing of a Mixed Model, Two- sided, Paced, Manual Assembly Line using Modified Highest Candidate Algorithm”		
14	Shilpa Samak, N.R. Rajhans	Determination of optimum inventory model for minimizing total inventory cost,	3rd Nirma university international conference on engineering, Ahmedabad , 6,7,8 Dec. 2012.	
<b>National Conference</b>				
1	Sanjeevani Gosavi, Apurva Nair, N.R. Rajhans	Implementation and evaluation of kitting system on assembly line: case study	3rd National Conference on Recent Advances in Manufacturing (RAM – 2012) 27-29 June, 2012.	
<b>International Journal</b>				
1	Priyadarshan Zambre, Neela Rajhans	Optimum Allocation of Berths to Bays	International Journal of Mechanical and Production Engineering Research and Development, ISSN 2249-6890, Vol2, Issue 1 , 2012,	p 43-49.
2	Ritesh G. Mahajan, S. M. Patil	Development of Wall Climbing Robot for Cleaning Application	International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, Vol. 3, Issue 5, May	pp. 658-662

			2013	
3	M.V.Walame, Prof. B.B.Ahuja	“Effect of Bond Length, Bond Clearance and Torsional Stiffness of Adherends on Torque Transmission Capability of Adhesively Bonded Cylindrical Joint”	International Journal of Engineering Research & Technology (IJERT) Vol.2, Issue 6, June 2013 ISSN:2278-0181	Pages 1930-1935
4	Ritesh G. Mahajan S. M. Patil	Development of Wall Climbing Robot for Cleaning Application. <i>(Published)</i>	Volume 3, Issue 5, May 2013 International Journal of Emerging Technology and Advanced Engineering.	658-662
5	Anant M Chakradeo and Rajhans NR	A Study of Important Human Dimensions and Percentile values for the Indian Collegiate Rowers,	Open Access Scientific Reports Volume 1, Issue 11, 2012 DOI: doi: 10.4172/scientificreports.525 November 2012	
6	N.R. Rajhans, Prerana Jakhotia Aishwarya Anubhule and Shivam Pandey	Increase in Productivity With the Help of Work Study and Method Study,	International Journal of Production Technology and Management Research : Articles, Volume : 3 Issue No. :2(2012),	Pages : 105-106
7	Ms. S.M.Samak- Kulkarni, Dr.Mrs.N.R.Rajhans	Determination of Optimum Inventory Model for Minimizing Total Inventory Cost,	SciVerse Science Direct, Procedia Engineering 51 ( 2013 ).	803 – 809
<b>National Journal</b>				
1	N.R. Rajhans, S.M. Samak Kulkarni	Comparison of Inventory Models for minimizing Total Inventory Cost	Technical Journal of Institution of Engineers, Vol.36 Nov. 2012, ISBN No.978-81-924990-0-0,	p 189-192
2	N.R. Rajhans, Shantanu R. Barshikar	Dynamic lot sizing in inventory using spreadsheet management	Technical Journal of Institution of Engineers, Vol.36 Nov. 2012, ISBN No.978-81-924990-0-0,	p 200-204.
3	B. B. Ahuja S. M. Patil A. P. Patil	Variable Loading Wear and Friction Monitor (VLWAFM) Pin-On-Disk Sliding Tribometer <i>(Published)</i>	Issue No. 48/2012, 30 <sup>th</sup> November 2012 The Patent Office Journal, India	23600
4	Pooja Awate, Neela Rajhans	Redesign of Stores Layout by Simulated Annealing	Industrial Engineering Journal, Vol. V, Issue 12, December 2012, ISSN 0970-2555,	P 26-30.

**Name of Department :- Production Engineering and Workshop**

**Year :- 2013– 14**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Vikas N. Chougule, Dr. (Mrs.) Arati V. Mulay, Dr. B. B. Ahuja	Three Dimensional Point Cloud Generations from CT SCAN Images for Bio-Cad Modeling	3 <sup>rd</sup> International Conference on 'Rapid Prototyping & Manufacturing Technologies' (Additive Manufacturing Technologies - AM 2013) scheduled at Nimhans Convention Centre, Bangalore. October 7-8, 2013	
2	Abhaysinh H Gaikwad M.D.Jaybhaye	Experimental Analysis of High Speed Drilling of Titanium Alloy	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING, held at NIT Calicut, Kerala, India, December 13-15, 2013	388-393
3	P.D.Pantawane , B.B.Ahuja	Multi-attribute Decision Making of Thread Tapping on Friction Drilling Holes using the Relative Reliability Risk Index (R <sup>3</sup> I) Methodology	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING, held at NIT Calicut, Kerala, India, December 13-15, 2013	823-828
4	Nilesh Mahajan and B. B. Ahuja	"Analysis of Micromachining of Ceramic Material by Powder Mixed Electrochemical Discharge Machining (PM – ECDM)"	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING, held at NIT Calicut, Kerala, India, December 13-15, 2013	304-309
5	Anjesh H. Sahasrabudhe and B. B. Ahuja	Micro-machining of ceramics by Electrochemical Discharge Process"	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING, held at NIT Calicut, Kerala, India, December 13-15, 2013	269-273
6	Chougule V.N, Mulay A V, Ahuja B.B	"Conversion of CT Scan images into 3D point cloud data for the development of 3D solid model using B-rep Scheme"	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING, held at NIT Calicut, Kerala, India, December 13-15, 2013	630-635
7	M.N.Shaikh, Rajiv B,	"Criticality Analysis of Barge Loader Using	International Symposium on Engineering and	Page No. 62

	B.B.Ahuja	FMECA”	Technology, Pune, January 9-10, 2014	
8	M R Dhanvijay and B B Ahuja	Electrochemical Discharge Machining of ceramics considering stagnant and electrolyte flow method	2 <sup>nd</sup> International Conference on Innovations in Automation and Mechatronics Engineering (ICIAME) 2014 March 7- 8, 2014	Journal of Procedia Technology, Elsevier
9	D R Dolas M D Jaybhaye S D Deshmukh	Reliability Analysis of Cooling System Water Pump -A Case Study	International Conference on Modeling and Simulation in Engineering & Technology (ICMSET-2014,Godavari College of Engineering, Jalgaon, 15-16 February 2014	297-300
10	D R Dolas M D Jaybhaye S D Deshmukh	“An Analysis of Diesel Engine Systems Using Pareto Lorenz Method,”	International Conference On Innovation In Design, Manufacturing & Concurrent Engineering (IDMC-2014) NIT Rourkela, 1-3 March 2014	
11	D R Dolas M D Jaybhaye S D Deshmukh	Estimation the system reliability using Weibull distribution	International conference on quality & management(ICQM 2014) , SAISE & NIT, Raipur, 21-22 March 2014	
12	Prerana Jakhotia, N. R. Rajhans	Combining AHP and TOPSIS Approaches to Support Rubble Filling Method Selection for a Construction Firm,	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 – 03, 2013, (IC)	269-273
13	Rajhans N.R., Purandare A. S., Pathak S.R.,	Identification of Parameters Affecting Liquefaction of Fine Grained Soils using AHP	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 – 03, 2013,	274 -279.
14	Rajesh Dhake, N.R. Rajhans,	Suppliers Delivery Performance Evaluation & Improvement using AHP,	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 – 03, 2013	295- 299
15	N. R. Rajhans, R. S. Garodi, Jyoti Kirve,	Application of TOPSIS Analysis for Selection of Nozzle in Mechanical Deterioration Test Rig,	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 –	310- 314

			03, 2013,	
16	Savita Choundhe, Purva Khandeshe, N. R. Rajhans,	Selection of Media using R3I(Entropy, Standard Deviation) and TOPSIS,	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 – 03, 2013,	363 – 367
17	S. M. Samak, N.R. Rajhans,	Application of AHP-TOPSIS for Comparison of Layouts,	International Conference On Advanced Engineering Optimization Through Intelligent Techniques AEOTIT July 01 – 03, 2013,	383 -387
18	Prof.Rajesh.Dhake, Pavan.Bhojar, Akshay.Shekhar, Dr.N.R.Rajhans,	Lean Performance Assessment of Manufacturing Cells using AHP	International Conference on Industrial Engineering (ICIE-2013), SVNIT SURAT Nov. 2013	
19	Dr. (Mrs)Neela R. Rajhans, Shantanu R. Barshikar	Vendor Selection Using Analytical Hierarchy Process,	43rd International Conference on Computers & Industrial Engineering CIE43 Proceedings, 16-18October 2013, The University of Hong Kong	
20	Sachin Shravan Shinde and Dr. Mrs. N. R. Rajhans	Air Mattresses as Prevention for Pressure Ulcer – An Interdisciplinary Overview	<i>11th ISE Annual Conference HWWWE</i> International Conference On Ergonomics And Human Factors "Ergo 2013: Ergonomics For Rural Development" <i>Organized By</i> :Department of Human Physiology With Community Health, Vidyasagar University, Midnapore - 721102, West Bengal, India	
21	P.A. Khandeshe , N.R. Rajhans,	“Use of Simulation for Selecting a layout”,	3 <sup>rd</sup> International Simulation Conference of India, 11 and 12 Jan 2014, College of Engineering Pune	
<b>National Conference</b>				
1	Satpute Ravindra M D Jaybhaye	Design of Underactuated Mechanism for Humanoid Hand	3 <sup>rd</sup> National Conference on Recent Developments in Mechanical Engineering (RDME-2014), Department of	213-217

			Mechanical Engineering, M.E.S.College of Engineering, Pune.	
<b>International Journal</b>				
1	M.V.Walame, Prof. B.B.Ahuja	“Profile Modufication of Adhesively Bonded Cylindrical Joint for Maximum Torque Transmission Capability”	International Journal of Modern Engineering Research (IJMER) Vol.3, Issue 4, August 2013 ISSN:2278-0181	Pages 1900-1905
2	A V Mulay and B B Ahuja	“Finding a Best Fit Plane to Non-coplanar Point-cloud Data Using Non Linear and Linear Equations”	Asian International Journal of Science and Technology in Production and Manufacturing Engineering Vol.6, No.2, May-August 2013	Pages 17-23
3	Patil Sandip S. Patil Sudhir M. Bhattu Ajay P. Sahasrabudhe A. D.	FEM Analysis and Optimization of Two Chamber Reactive Muffler by using Taguchi Method ( <i>Published</i> )	American International Journal of Research in Science, Technology, Engineering and Mathematics (AIJRSTEM) published by International Association of Scientific Innovation and Research (IASIR), USA Volume 1, Issue 3, June-August 2013	21-28
4	D R Dolas M D Jaybhaye S D Deshmukh	Prediction of Repair & Maintenance costs of Diesel Engine	International Journal of Recent advances in Mechanical Engineering (IJMECH), Vol.3, No.1, February 2014 ISSN 2200-5854	63-69
5	D R Dolas M D Jaybhaye S D Deshmukh	Estimation the System reliability using Weibull Distribution	IPEDR	144-148
6	Manmohan Singh M D Jaybhaye S K Basu	Risk Quantification and Evaluation Modelling	Defense Science Journal, July 2014	
7	P. D. Pantawane B. B. Ahuja	Parametric analysis and modeling of friction drilling process on AISI 1015	International J. of Mechatronics and Manufacturing Systems, Vol 7 No. 1, Inderscience Publishers	60-79
8	S. M. Patil	Tribological Behaviour of PTFE Under	Volume 95, Issue – 2, April – June 2014	179-185



	B. B. Ahuja	Variable Loading Dry Sliding Condition	Journal of The Institution of Engineers (India) – Series C, a Springer Publication	
9	Asita N. Dalvi , Snehal R. Pathak & Neela R. Rajhans	Entropy analysis for identifying significant parameters for seismic soil liquefaction,	Geomechanics and Geoengineering: July 2013, ISSN 1748-6025 (Print), 1748-6033, DOI:10.1080/17486025.2013.805255,	p 1-8
<b>National Journal</b>				
1	P.A. Khandeshe, N. R. Rajhans,	Selecting Best layout using TOPSIS for different criteria	""The Institution of Engineers (I), ISBN 978-81-924990-1-7, Dec 2013	P. 266 – 270
2	N.R. Rajhans, S.M. Mehta, T.M. Jawale, D.R. Shas, P.V. Mahanwar	Productivity improvement in a bakery",	The Institution of Engineers (I), ISBN 978-81-924990-1-7, Dec 2013	" P. 270 – 276.

**Name of Department :- Production Engineering and Workshop**

**Year :- 2014– 15**

S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Padmaja Tripathy, K P Maity Rajiv B	Investigation of the effects of process parameters on material removal rate and Tool wear rate during wet & near-dry EDM process	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014	148-1 to 148-6
2	Rajiv B., P.D.Pantawane & Sagar Bhise	Optimisation of hard turning of M 42 tool stell using TOPSIS-PCR	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014	325-1 to 325-6

3	J.S. Karajagikar, B. U. Sonawane	DECISION MAKING USING ANALYTICAL HIERARCHICAL PROCESS(AHP) FOR SELECTION OF BEST SUITABLE AINTENANCE METHOD FOR MULTISPINDLE AUTOMAT AS32	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014	585-1 to 585-5
4	Sawan Fefar, J.S. Karajagikar	Study and Analysis of Metallized electrode fabricated with FDM Rapid Prototyping technique for Electro discharge machining (EDM)	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, Dec 12-14 2014	171-1 to 171-7
5	Mr. Nikhil Kumbhar, Dr. (Mrs.) Arati Mulay, Dr. B.B.Ahuja	Physical Replication of Human Bone using Direct integration of Reverse Engineering and Rapid Prototyping Techniques	The 5th International and 26th All India Manufacturing Technology, Design and Research Conference (AIMTDR 2014) at Department of Mechanical Engineering, IIT Guwahati, Guwahati, India, December 12-14, 2014	189-1-5
6	V.N.Chougule, A.V.Mulay, B.B.Ahuja	“Development Of Patient Specific Implants For Minimum Invasive Spine Surgeries (MISS) From Non-Invasive Imaging Techniques By Reverse Engineering And Additive Manufacturing Techniques”	12th GLOBAL CONGRESS ON MANUFACTURING AND MANAGEMENT, GCOMM 2014 8th-10th Dec, 2014, VIT University, Vellore	212-219
7	Manmohan Singh, M.D. Jaybhaye, S.K.Basu	Degraded Performance Analysis of Phased Mission System	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014.	278-1 to 278-6
8	A.B. Verma, S.U. Ghunage, B.B. Ahuja	Resistance Welding of Austenitic Stainelss Steel (AISI 304 with AISI 316)	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014	302-1 to 302-6

			Dec 12-14 2014.	
9	Ankit Choudhary, B.B.Ahuja	Characterization and Optimization of Electrospun Polyacrylonitrile (PAN) and Polyvinylidene Fluoride (PVDF) Nanofibers	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014.	141-1 to 141-6
10	Anjesh Sahasrabudhe, B.B.Ahuja	Experimental Investigations For Al <sub>2</sub> O <sub>3</sub> Ceramic Micro Machining Using Ecdm Process	5th International and 26th All India Manufacturing Technology, Design and Research Conference AIMTDR 2014 Dec 12-14 2014.	182-1 to 182-5
11	S. N. Patil A. V. Mulay B. B. Ahuja	Development of Experimental Setup of Metal Rapid Prototyping Machine Using Selective Laser Sintering Technique	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C)	
12	A. S. Kelkar N. N. Kumbhar A. V. Mulay	Surface Roughness Measurement of Parts Manufactured by FDM Process Using Light Sectioning Vision System.	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C)	
13	N. N. Kumbhar A. V. Mulay	Post processing methods used to improve surface finish of products which are manufactured by Additive Manufacturing (AM) technologies – A review	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C)	
14	V. N. Chougule A. V. Mulay	Methodologies for Development of Patient Specific Bone Models from Human Body CT Scans	International Conference on Additive Manufacturing, 3D Printing & 3D Scanning (ICAM-3D), 6-7 Feb,2015- The Hilton Chennai, India IE Springer (Mechanical Series C)	
15	M.N.Shaikh, B.B.Ahuja , B.Rajiv	The Function-Failure Matrix of Barge Loader by Mapping Component Functionality and Failures	International Conference on Design, Manufacturing and Mechatronics (ICDMM 2015) Feb 11-13, 2015	1-5

16	Mahesh J. Patil, B.B.Ahuja	A Parametric Study if Single Lap Hybrid (Adhesive and Bolted) joint of composite and aluminium under Tensile Loading	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Rasoni College of Engineering and Management, Wagholi, Pune	OEM-10
17	Amit Nanal, Dr. Rajiv B.	A Study of Overall Equipment Effectiveness (OEE) of 5 Axes CNC Die Finishing Machine	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Rasoni College of Engineering and Management, Wagholi, Pune	PI-06
18	Ritesh G. Mahajan, S. M. Patil	Design and Development of Glass Cleaning Robot	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Rasoni College of Engineering and Management, Wagholi, Pune	PI-15
19	Vishwesh Kulkarni, S. U. Ghunage	Research on Laser Welding of Aluminium and Steel Alloys with Process Models	Feb 26-28, 2015 International Conference on Recent Advnaces in Mechanical Engineering (ICRAME-2015) Organised by Department of Mechanical Engg., G. H. Rasoni College of Engineering and Management, Wagholi, Pune	PI-27
21	<i>S Jaison, J.S.</i>	Condition Based Predictive Maintenance	1 <sup>st</sup> International Conference on	

	<i>Karajagikar</i>	onboard Naval Ships	Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) 10-11 April,2015  <i>ELK Asia Pacific Journals – Special Issue ISBN: 978-81-930411-4-7</i>	
22	<i>R. R. Manekar , J.S. Karajagikar</i>	<b>MATERIAL SELECTION IN BEARING INDUSTRY USING MULTI CRITERIA BASED TOPSIS METHODOLOGY</b>	1 <sup>st</sup> International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE-2015) 10-11 April,2015  <i>ELK Asia Pacific Journals – Special Issue ISBN: 978-81-930411-4-7</i>	
23	Naagori Shubham,,Omprakash Yadav, N. R. Rajhans	Optimization of heat generation in internal cylindrical grinding,	Proceedings of 29th IRF International Conference, 21st June 2015, Pune, India, ISBN: 978-93-85465-41-	
<b>National Conference</b>				
1	Ankita Mishra, Gauri Maske, M. R. Dhanvijay		National Seminar on “Opportunities and challenges in Product Life Cycle Management”, organized by IEI, PLC, 30-31 Aug, 2014	
2.	Jayant Karajagikar and Apurv Sahastrabuddhe	"Activity Based Manufacturing Management"	National Seminar on “Opportunities and challenges in Product Life Cycle Management”, organized by IEI, PLC, 30-31 Aug, 2014	
3	P.V. Bhamare, Rajiv B, Mr. B. N. Sadavarte	POKA-YOKE Auto Checking System for B-Pillar Assembly Component	6th National Conference on Multidisciplinary Research on Science and Engineering (NCMRSC ), 5th to 6th June 2015	231-241
4	Sanket Garade and Dr Rajiv B.	Design and development of computer controlled electro-mechanical mount for maneuvering an astronomical telescope	6th National Conference on Multidisciplinary Research on Science and Engineering (NCMRSC ), 5th to 6th June	254-260

		(Awarded Best paper of Conference)	2015	
5	Gauri Maske , Dr. N. R. Rajhans,	Improving Computer Workstation design to reduce musculoskeletal disorder: Rotatable desktop and adjustable screen mechanism	, IE (I) Annual Conference 2014 ANNUAL TECHNICAL PAPERMEET-2014	
6	Ankita . S. Mishra , Chetana . S. Bharambe , Dr . N. R. Rajhans	Modifications in chair design allowing body movements while working for long hours,	ANNUALTECHNICALPAPERMEET-2014	
7	Ajinkya Jadhav, N.R. Rajhans, Vinayak Angane	Reduction in overall Changeover Time in General Motors”,	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	
8	Dhiraj M. Patil, Tejas Patil, Rajesh Dhake, Prakash Vaidya,N.R. Rajhans,”	Simulation as a tool for decision making- a case study , ,	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	
9	Tejas Patil, Dhiraj M. Patil, Rajesh Dhake, Prakash Vaidya,N.R. Rajhans	Pugh Matrix as tool for layout evaluation- a case study”,	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	
10	Deepti Morkar, N.R. Rajhans	1.“Reduction in Line Process Time and Balancing in General Motors”, ,	National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	
11	Akash Arun Chavan, Dr. Mrs.N.R.Rajhans	Application of Value Stream Mapping in boiler manufacturing plant,	, National conference on Modeling , optimization and Control, 4-6 March 2015, NCMOC, 2015, VIT	

**International Journal**

1	V.A.Kulkarni, B. B. Ahuja, A V Mulay	“Pooled Error Mapping of Probe Type Coordinate Measuring Machine”	International Journal of Scientific and Engineering Research Vol.6, Issue 1, January 2015, ISSN 2229-5518	
2	V.A.Kulkarni, B. B. Ahuja	“Statistical Performance Analysis of Zirconia-Dolerite Ball Plate for Dimensional Stability”	International Journal of Innovation Technology and Exploring Engineering (IJITEE), March 2015 Vol. 4 Issue-10, ISSN 2278-3075	34-37
3	V.A.Kulkarni, B.B.Ahuja	“Autocorrelation of Zirconia – Dolerite Ball Plate Artifact” International	Journal of Mechanical Engineering Research (IJMER), Vol 3, Issue 1, March 2015,	
4	Sachin S. Shinde, Neela R. Rajhans,	Identifying Location Of Maximum Interface Pressure In Bedridden Patient –A Comparative Study, ,	International Journal of Advanced Technology in Engineering and Science www.ijates.com Volume No.03, Special Issue No. 02, February 2015 ISSN (online): 2348 – 7550	P a g e 113-121.
5	Hole V.J 1, a, N.R.Rajhans	Performance evaluation of an engine assembly line through simulation	Applied Mechanics and Materials Vol. 612 (2014) pp 111-115 (2014) Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.612.111	
6	Shubham Sanjay Nagori*, Yadav Omprakash Bhaskar and N.R. Rajhans	Optimizations and prediction of grinding wheel wear in cylindrical grinding,	VSRD International Journal of Mechanical, Civil, Automobile and Production Engineering, Vol. V Issue VI June 2015 / 1 e-ISSN: 2249-8303, p-ISSN: 2319-2208	
7	N.R. Rajhans*, Umesha Kumar Sabat,	Identifying Weightages Based on World Bank Data	Journal of Production Research & Management ISSN: 2249-4766(online), ISSN: 2347-9930(print) Volume 5, Issue 1, www.stmjournals.com	
8	Dhananjay Pise, B B Ahuja, S M	Study of Process Parameters Affecting the Diameter and Morphology of	International Journal of Science and Research Volume 4 Issue 6, June 2015	155-159

	Shendokar	Electrospun Polyvinylidene Fluoride (PVDF) Nanofibers	ISSN : 2319 7064	
<b>National Journal</b>				
1	Shrikant Lathkar, Rajiv B., Dr B B Ahuja and Dr S, K, Basu.	A comparative experimental study on fast hole Near Dry EDM of Stavax with different dielectric coupled with Surface Response Curves	Journal of Manufacturing Technology Today, August Issue ISSN: 0972-7396	3-11
2	B. B. Ahuja S. M. Patil S. H. Mhatre	Variable Loading Pin-on-Plate Reciprocating Sliding Tribometer [VLPOPRST] <i>(Published)</i>	Issue No. 42/2014, 17th October 2014 The Patent Office Journal, India	6309
3	Ananda Gholap, M.D.Jaybhaye	Improving Product life through Ferographic Condition Monitoring	The Institution of Engineers (I) PLC, Technocal Journal Vol. 38 Nov. 2014 ISBN No. 978-81-924990-2-4	324-328
4	J.S. Karajagikar, B. U. Sonawane	Wear Debris Analysis for A Machine Tool Gearbox (Multi-Spindle Automat AS3 Using Direct Reading Ferrography	The Institution of Engineers (I) PLC, Technocal Journal Vol. 38 Nov. 2014 ISBN No. 978-81-924990-2-4	300
5	Rajesh Dhake, B.E. Narkhede, N. R. Rajhans,	Setup Time reduction on Press using SMED and Quick Changeover Philosophy - :A case study,	”, Industrial Engineering Journal, Vol. VII, Issue 10, Oct 2014	Page 05-13.
6	N.R. Rajhans, S.B. Patil, Preeti Kulkarni,	Mathematical Model for calculating Inventory carrying cost,	“IIIE Journal Vol. VIII, Issue No. 1 Jan 2015,	p 12-14
7	N.R. Rajhans, Shantanu Barshikar,	2.Supplier Selection in manufacturing Industry using TOPSIS,	Industrial Engineering Journal, Vol. VIII, issue No.3 , March 2015	, P 38-42.

**Name of Department :- Production Engineering and Workshop**

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### International Conference

1	Shrikant Lathkar, Rajiv B. B B Ahuja, S.K.Basu	Comparison of Geometrical Errors in Near Dry EDM with Conventional EDM while Drilling Micro Holes with High Aspect Ratio on EN-42	December 10 - 12, 2015 9 <sup>th</sup> International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay	
2	Renu Shahstri, M N Shaikh, Rajiv B.	Effect Of Cryogenic Treated Electrodes On Process Parameters In Rapid Drill Edm Process	December 10 - 12, 2015 9 <sup>th</sup> International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay	
3	Pranay Pawar, Sudhir Patil	Tribological Analysis of PTFE and UHMWPE Bio-Materials in Multi-Directional Sliding Using Bi-Directional Pin-On-Plate Reciprocation under Dynamic Loading	December 10 - 12, 2015 9 <sup>th</sup> International Conference on Precision, Meso, Micro and Nano Manufacturing (COPEN9-2015), Organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay	Paper No. 325
4	B.Rajiv, M.N.Shaikh, Rushikesh S Nikam	Strategic Decision Making for Software Development Vendor Selection	International Symposium on Engineering and Technology, February 19-20, 2016,	Paper ID 151
5	Satwik Kulkarni Abhinav Joshi Arati Mulay	Measurement of Surface roughness using Non-Contact Vision Based Technique	4 <sup>th</sup> International Conference on Advances in Metrology – AdMet2015, 25-27 Feb, 2015	
6	Anjali P Rajan Dr. A V Mulay Dr. B BAhuja	An Automated Acupressure Glove For Stress & Pain Relief Using 3D Printing	5th International Conference & Exhibition on Additive Manufacturing Technologies - AM 2015 - Bangalore, INDIA, 7-8 Sepetember 2015	-----
7	Vaidehi Kale, Pranita Madke, Dr. N. R.	Identifying and prioritizing ergonomic needs of staff transportation buses,	HWWE 2015, 7-9 Dec 2015, IIT B	

	Rajhans,			
8	Sachin Shinde , Dr. Neela Rajhans,	Skin-Bed Interface Pressure on Standard Hospital Mattress for Sitting, Prone and Supine Posture in Healthy Adults	HWWE 2015, 7-9 Dec 2015, IIT B	
9	Shubham Nagori, Omprakash Yadav, N.R. Rajhans,	Optimization of heat generation in internal cylindrical grinding	Proceedings of 29th IRF International Conference, 21st June 2015, Pune, India, ISBN: 978-93-85465-41-3	
10	Pranita B. Madke, Dr. M. D. Jaybhaye	Application of Pugh Selection Matrix and TOPSIS Method for Fuel Level Sensing Technology Selection	International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (ARIMPIE - 2016), Greater Noida, Uttar Pradesh, India 15-16 April 2016	-
11	Sandip S. Anasane and B. Bhattacharyya	Fabrication of microslots on titanium by electrochemical micromachining	International Conference on PRECISION, MESO, MICRO AND NANO ENGINEERING (COPEN-9: 2015) December 10th-12th, 2015, IIT Bombay, Powai, Mumbai India	
<b>National Conference</b>				
1	Dr. Rajiv B. and Apporva Kumar Bhavsar	Design and Development of Fire Fighting Robot, (Best Presentation)	2 <sup>nd</sup> National Conference on Mechanical Engineering, Material Science & Mechatronics. VIIT Pune, Vishwacon 2016.	
2	Madke Pranita B., Dr Jaybhaye M.D.	Application of Pugh Selection Matrix for Fuel Level Sensing Technology Selection	Innovative Trends in Mechanical and Automobile Engineering (ITMAE 2016), sponsored by AICTE, Hyderabad, Telangana, India 11-12 February 2016.	
3	Sayali P Chavan , M R Dhanvijay, M.D.Jaybhaye	A Low Cost Aurdino Controlled Floor Mopping Robot	Innovative Trends in Mechanical and Automobile Engineering (ITMAE 2016), sponsored by AICTE,	-

			Hyderabad, Telangana, India 11-12 February 2016.	
4.	Digvijay S. Patil and M. R. Dhanvijay	Prioritising and ranking of factors affecting on-time delivery	AICTE sponsored national Conference on Innovative Trends in Mechanical and Automobile Engineering (ITMAE), 11-12 Feb 2016, Dept. of Mechanical Engg. MVSR Engineering College, Nadergul, Hyderabad, Telangana	2.
<b>International Journal</b>				
1	M. R. Dhanvijay, B.B.Ahuja	Performance Enhancement of ECDM Process on Al <sub>2</sub> O <sub>3</sub> Ceramics using Tubular Tool	International Journal of Scientific Engineering Research (IJSER), Vol 6, Issue 7, July 2015,	369-373
2	Chetan Kumkar, Dr. N. R. Rajhans,	The System & Development of Human Resource Management	International Journal of Science and Research (IJSR) ISSN (Online): 2319- 7064 Index Copernicus Value (2013): 6.14   Impact Factor (2014): 5.611 Volume 4 Issue 12, December 2015 www.ijsr.net	
3	V.V.Chougule Dr. A V Mulay Dr. B BAhuja	“Patient Specific Bone Modeling for Minimum Invasive Spine Surgery”	J. Spine 4: 249 doi:10.4172/2165- 7939.1000249 Vol 4, Issue 4, 13 August 2015	
4	Tushar Pritlal Lilhare, B.U Sonawane, Milind Gaikwad and Santosh Dhanwate	Lead Time Reduction Using Value Stream Mapping in Powder Metallurgy Based Industry	International Journal for Science and Advance Research In Technology (IJSART) ISSN [Online]: 2395-1052, Volume 2, Issue 4, 2016.	392-396
5	Omprakash Yadav, Shubham Nagori and NR Rajhans,	Optimisation of dressing process parameters for internal cylindrical grinding	Manufacturing Technology Today, Vol. 14 No. 10 October 2015 ISSN: 0972 – 7396,	page 3-8

6	Ankita Mishra , NR Rajhans, Amit Pingle,	Heuristic Based Transportation Routing and Sizing	Journal of Production Research & Management ISSN: 2249-4766(online), ISSN: 2347-9930(print) Volume 5, Issue 3 www.stmjournals.com	
7	M Salunkhe and B Rajiv	Courier partner selection for E-commerce business using TOPSIS Method	International Organization of Scientific Research Volume 3, March 2016.	pp 33-38,
8	Shatrupa Gurav Suvarna Patil and Rajiv B.	A Review on Effect of Cutting Parameters in Hot Turning Operation on Surface Finish	International Journal of Engineering Research and Development, ,, ISSN:2321-9939, Vol.4, Issue 2,	pp.55-61
9	Veeral Kumar Thankur, Tarun Yadav, & Rajiv B.,	CFD Assisted Nozzle Design in Burr Removal Process	International Journal of Mechanical and Production Engineering Research and Development; ISSN 2249-8001; Impact Factor 5.6934, Vol:6, Issue-2. April 2016.	
10	Navnath Sangale M D Jaybhaye	Retrofitting of Machine by Design and Implementation of Self Locking of Worm Gear for Vertical Axis	International Journal for Scientific Research & Development (IJSRD) e-journal, Vol. 4 Issue 3, May 2016	1784-1786
11	Madke Pranita B., Dr Jaybhaye M.D.	Application of Pugh Selection Matrix for Fuel Level Sensing Technology Selection	International Journal of Engineering Research Volume No.5 Issue: Special 2	368-370
12	Pranita B. Madke, Dr. M. D. Jaybhaye	Application of Pugh Selection Matrix and TOPSIS Method for Fuel Level Sensing Technology Selection	ELK Asia Pacific Journals – Special Issue Article ID-ELKAPJ/SI-ARIMPIE/2016/6	28-32
13	Sayali P Chavan , M R Dhanvijay, M.D.Jaybhaye	A Low Cost Aurdino Controlled Floor Mopping Robot	International Journal of Engineering Research, Volume No.5 Issue: Special 2	319-321
14	Prasad Tirodkar, M. N. Shaikh	Optimization of Bracket to Meet the Pull Load Criteria Using Optistruct	International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 6, Issue 4,	321 -323

			April 2016)	
15	Kartik Bakshi Dr. A.V.Mulay	“A Review on Selective Laser Sintering: A Rapid Prototyping Technology”	Journal of Mechanical and Civil Engineering (JMCE), ISSN- 2320-334X, eISSN – 2278-1684 International Organization of Scientific Research (IOSR) Journals	
16	V. N. Chougule Dr. A. V. Mulay	“Modeling of Complex and Freeform Surfaces by using Reverse Engineering Approach”	Journal of Mechanical and Civil Engineering (JMCE), ISSN- 2320-334X, eISSN – 2278-1684 International Organization of Scientific Research (IOSR) Journals	
	Sandip S. Anasane and B. Bhattacharyya	Experimental investigation on suitability of electrolytes for electrochemical Micromachining of titanium	The International Journal of Advanced Manufacturing Technology (2016) 86: Springer-Verlag London 2016	2147–2160
<b>National Journal</b>				
1	Deepak Modani, N.R. Rajhans, ,	Work Distribution for new product introduction to an assembly line and validating using simulation,	Industrial Engineering Journal, Vol IX, Issue No.4 April 2016	12-17.
2	U. M. Shirsat, B.B.Ahuja, Mukund Dhuttargaon	“Effect of Burnishing Parameters on surface Finish”	Journal of The Institution of Engineers (India): Series C DOI 10.1007/s40032-016-0320-3 17th June 2016	

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### International Conference

1	Shantanu Dhanorkar, S.U. Ghunage	Using VAVE for Cost Reduction in a Cabin of a Commercial Vehicle: A Case Study	International Conference on Modern Era Research In Mechanical Engineering-2016 organized by Rajarambapu Institute of Technology, Sakharale on 29-30 <sup>th</sup> September 2016	
2	Pranita Madke M.D.Jaybhaye	Simulation of a Fuel Theft Detection System for Commercial Vehicles	International Conference on Modern Era Research In Mechanical Engineering-2016 organized by Rajarambapu Institute of Technology, Sakharale on 29-30 <sup>th</sup> September 2016	Paper ID 09
3	M. R. Dhanvijay and V.A. Kulkarni	Distortion reduction strategies for PCD run out of cam shaft gear	International Conference on Materials, Manufacturing and Design, Paper No.: iCMMD_paper_6, Dr. Babasaheb Ambedkar Technological University, Lonere, 20 <sup>th</sup> and 21 <sup>st</sup> December, 2016.	
4.	M. R. Dhanvijay, B. B. Ahuja, P.P. Chikate	Taguchi based Grey Relational Analysis of Al <sub>2</sub> O <sub>3</sub> ceramics using Vibro-rotary ECDM Process	December 16 - 18, 2016 6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] ISBN: 978-93-86256-27-0	1655-1658
5.	Jagdish S Sarda, M. R. Dhanvijay, B. B. Ahuja	Experimental Investigation of E-Glass Epoxy Composites by Tool Vibrations using ECDM Process	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	1612-1615
6.	Sudhir M. Patil, Vivek B. Ranjan	Lead Time and Cost reduction using Value Stream Mapping for Manufacturing the Adaptable Gear Box	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016	Paper No. 925

			ISBN: 978-93-86256-27-0	
7	V.A. Agrahari , M.D. Jaybhaye	Improvement in High Pressure Die Casting Die Changeover Time using Lean Manufacturing Principles	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	2141-2144
8	Sawan Fefar, Jayant S. Karajagikar	A review on rapid tooling for electrodischarge machining process (Paper ID: AIMTDR2016-783)	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	90-94
9	Jayant S. Karajagikar, Vikas Sojitra, B.U. Sonawane	Investigate the condition of single speed worm gearbox using ferrography and vibration analysis (Paper ID: AIMTDR2016-928)	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	2027-2032
10	M.N. Shaikh, B.B. Ahuja and P.P. Chikate	Study of Surface Quality of ABS Material Post FDM Process	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	135-138
11	B.N. Sontakke and B.B. Ahuja	Mechanical Characterization of Verowhite Polymer Material having Different Build Orientation using 3D Printing	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management,	139-143

			College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	
12	S.M. Mule, S.U. Ghunage and B.B. Ahuja	Process Characterisation of Resistance Spot Welding of Dual Phase Stainless (DP600) Steel	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology Design and Research Conference (AIMTDR2016), Organized by Department of Production Engineering and Industrial Management, College of Engineering, Pune [COEP] December 16 - 18, 2016 ISBN: 978-93-86256-27-0	1189-1192
13	N.K. Kamble, B.U. Sonawane, D.S. Mane and S.S. Sarnobat	Experimental Investigation and Analysis of Fluid Assisted Blank Holding System in Deep Drawing Process for Al Alloy 1050	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR2016) at College of Engineering, Pune, India, December 16-18, 2016	962-966
14	Sangramsingh Gaikwad and B.U. Sonawane	Optimization of Powder Metallurgy Process Line using Simulation Technique	6 <sup>th</sup> International and 27 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR2016) at College of Engineering, Pune, India, December 16-18, 2016	1852-1855
15	Saurabh Garg, Ravi Kant, Shrikrishna N. Joshi and Uday S. Dixit	“A study on straightening of bent aluminium 5052 sheets using laser line heating”	6 <sup>th</sup> International & 27 <sup>th</sup> AIMTDR Conference held at College of Engineering, Pune during Dec. 16-18, 2016	pp. 1034-1038,



16	N. K. Kamble, B. U. Sonawane, S. S. Sarnobat and P. R. Padave	Experimental Analysis of Process Parameters in Fluid Assisted Blank Holding System in Deep Drawing Process for Al 1050	IV <sup>TH</sup> International Conference On Production and Industrial Engineering, CPIE-2016, Dr B R Ambedkar National Institute of Technology, Jalandhar. (December 19-21, 2016) CPIE-2016_paper_158	1-10
17	N. K. Kamble, B. U. Sonawane and S. S. Sarnobat	Experimental Investigation and Analysis of Fluid Assisted Blank Holding System in Deep Drawing Process for Al Alloy 1050 by Using Grey Relational Analysis	International Conference on Materials, Manufacturing and Design Engineering (ICMMD 2016) at Dr. Babasaheb Ambedkar Technological University, Maharashtra, 20 <sup>th</sup> and 21 <sup>st</sup> December, 2016  ICMMD2016_paper_76.pdf	312-318
18	Mr. Vicky B. Sardar, Dr. N.R.Rajhans	Study of the bias associated with the forecasting of intermittent demands	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016	
19	Mr. Tushar Prakash Prabhu, Mr. Ameya Gajanan Pathak, Dr. N.R.Rajhans	Forecasting of primary energy using time-series forecasting methods	58th National Convention and International Conference on Smart Strategies for digital World – Industrial Engineering perspective, Shri Ramdeobaba College of Engineering and Management , Nagpur, 21-22 Oct 2016	
20	Vicky B. Sardar, Dr. N.R. Rajhans, Ameya Pathak, Tushar Prabhu	Developments in silicone material for biomedical applications- A review	14th International Conference on Humanizing Work and Work Environment HWWE-2016	
21	Snehal M. Raut, Harshwardhan Vairagade, Vicky B. Sardar, Dr. N. R. Rajhans	Improvization of productivity through layout optimization in manufacturing company of planetary gear boxes	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA	

22	Sujata Patil, V.B.Sardar, Dr. Ms. N.R.Rajhans	Optimization of a Gear Manufacturing industry layout using Simulation	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA	
23	Anurag A. Polshettiwar, Divyesh P. Trivedi, Mr. Vicky B. Sardar, Dr. N R Rajhans	Optimization of plant layout using simulation software	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA	
24	Ameya Y. Deokar, Aniruddha M. Bavdhankar, Ronak R. Degaonkar, Vicky B. Sardar, Dr. N. R. Rajhans	Simulation and optimization of layout of sheet metal manufacturing plant	6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA	
25	Ameya G. Pathak, Tushar P. Prabhu, Harshal B. Chaudhari and N. R. Rajhans	Development in Small Scale Multipurpose Fodder Harvester-A Review	14th International Conference on Humanizing Work and Work Environment HWWE-2016, NIT Jalandhar 2016	
26	Swati Razdan, Mayur Pirgal, Abhishek Hanchate, Mrs. N. R. Rajhans, Vicky Sardar	Application of Critical Path Method for Project Scheduling – A Case Study	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
27	Soham Mandavkar, Dr. (Mrs.) N.R. Rajhans	Implementation of Operating Characteristic(OC) curve to determine the probability of acceptance along with other parameters for a single-sampling plan	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
28	Ameya Pathak, Tushar Prabhu, Vicky Sardar, Dr.	Inventory Management for a newly started Service Station	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	

	N. R. Rajhans			
29	Susmita Anil Ukande, Vicky Sardar, Dr. N. R. Rajhans	Renewable Energy: opportunities and constraints in rural areas	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
30	Harshvardhan Maheshwari, Dr. (Mrs.) N.R Rajhans	Research on Injection Mould Intelligent Cost Estimation System and Key Technologies	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
31	Darshan Maheshwari, Dr (Mrs) N.R. Rajhans	Studying and Implementation of Electronic Procurement Processes in Organisations	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
32	Gayatri Deshmukh, Kalyani Ikade, Chaitali Tapase, Dr (Mrs) N.R. Rajhans	Assessment of Human Performance Considering Human Behavior	International Conference on Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
33	Pooja Deshmukh, Dr. N.R.Rajhans	Transient response analysis and speed control of an IC Engine	Manufacturing Excellence 2017, K.K.Wagh College of Engineering Nasik, 3,4th March 2017	
34	Deepali Bhadekar, Aishwarya Anbhule, Vicky Sardar, Dr. N R Rajhans	Comparison and Identification of optimum layout using Multi Criteria Decision Making	Vth Annual International conference on Operations Research and Statistics ORS 2017, 6-8 March 2017, Singapore	
35	Kalyani V. Kanadkhedkar, Dr. Rajiv B.	Application of AHP for Design Selection of Rotary Table System	International Conference on Advanced and Agile Manufacturing and Agile Software Development, 06-07 Oct.2016. SGGS Institute of Engineering and Technology, Nanded.	
36	Mahendra Salunkhe and Dr Rajiv B	Motion Bubble Chart for Supply Chain Operation Optimization & Data Visualization for Decision Making	International Conference International Conference on Modern Era Research in Mechanical Engineering (MERME-16) in association with Institute of Engineers, India (IEI) Kolkata 29th-30th September 2016, RIT Sakharale	
37	Pankaj Gaigole and Dr Rajiv B.	MQL machining of high carbon high chromium (HCHCr) steel using vegetable	6th International & 27th All India Manufacturing Technology, Design and Research Conference from	AIMTDR 2016 –

		oil	16th-18thDecember, 2016 at College of Engineering Pune.	839
38	Chaitali Gogare and Dr Rajiv B.	Elimination of oil leakage defect in V series Diesel Engines using the Six Sigma Technique.	6th International & 27th2016All India Manufacturing Technology, Design and Research Conference from 16th-18thDecember, 2016 at College of Engineering Pune.	AIMTDR 2016 – 1164
39	Apurv Kulkarni, Shreyas Badave, Rajiv.B	Reliability Analysis of Heat Exchanger Cycle Using Non-Parametric Method	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.	
40	Sayali Vyas, Atharva Desai, Shreyas Badave, Apurv Kulkarni, B. Rajiv	Critical Analysis of Heat Exchanger Cycle for Its Maintainability Using Failure Modes and Effect Analysis and Pareto Analysis,	ICMEAFM 2017 : 19th International Conference on Mechanical Engineering and Applied Fluid Mechanics Dubai, UAE during May, 19-20, 2017.	
41	Mr. Rohit Zende , Mr. Eknath kulkarni , Mr. P. D. Pantawane	Diameter and roundness measurement Using USB Data Acquisition System	Modern Era Research in Mechanical Engineering-2016 (MERME-16), 29th sep 2016	250-253
42	<i>P.D. Pantawane and A.D. Pathak</i>	Analysis of Surface Finish and Cutting Force Components in Dry and Cryogenic Turning of AISI A2 Tool Steel	<i>Proceedings of 6th International &amp; 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) College of Engineering, Pune, Maharashtra, INDIA December 16-18, 2016, ISBN: 978-93-86256</i>	1162-1166
43	Sandip S. Anasane and B. Bhattacharyya	Investigations into micro hole generation on titanium by Electrochemical Micromachining using Conical Disc Microtool	Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) College of Engineering, Pune, Maharashtra, INDIA December 16-18, 2016, ISBN: 978-93-86256	

44	Ravi Kant, Aditya Prasad Sunny, Hema Gurung	“Investigation on Importance of Absorptivity during Laser Bending Process”	In: Proceedings of the 6th International & 27th AIMTDR Conference held at College of Engineering, Pune during Dec. 16-18, 2016	pp. 1193-1197
43	Nitin Kamble and Dr. B.U. Sonawane	Analysis of Process parameters by using Fluid Assisted Blank Holding System [FAB] for the steel 2062	International Journal of Mechanical Engineering Research (IJMER), Volume 5, Issue 1, Date of Publication: 31 March 2017, ID: FPMER-050106, FOREX Publication, ISSN: 2347-470X	5-10
44	Ravi Kant, Parag M Bhuyan and Shrikrishna N. Joshi	“Experimental Studies on Curvilinear Laser Bending of Thin Sheets”	International Conference on Advanced Technologies for Social Applications (Techno-Societal 2016) held at Shri Vithal Education and Research Institute’s College of Engineering, Pandharpur during Dec. 20-21, 2016	
45	Aniruddha Bavdhankar, Jayant Karajagikar, Vicky Sardar, Vishal Sonawane, Atul Chaudhari	Implementation Of Six Sigma Tools To Improve Supply Chain Efficiency Of An Electronic Goods Manufacturing Industry	3rd World Conference on Supply Chain Management 2017. Colombo, Shrilanka.	
46	Ravi Kant, Parag M. Bhuyan, and Shrikrishna N. Joshi	"Experimental Studies on Curvilinear Laser Bending of Thin Sheets" in “Techno-Societal 2016:	Proceeding of the International Conference on Advanced Technologies for Societal Applications” edited by Prashant M. Pawar, Babruvahan P. Ronge, R. Balasubramaniam, Sridevi Seshabhatter, Chapter 16, Springer India, 2017.	pp. 539-548
<b>National Conference</b>				
<b>International Journal</b>				
1.	Sandip S. Anasane and B. Bhattacharyya	Experimental investigation into fabrication of microfeatures on titanium by electrochemical micromachining	Advances in Manufacturing (Springer) (2016) 4:167-177	167-177
2.	Zubair J. Palkar, V. A. Kulkarni, M. R. Dhanvijay	Measurement System Analysis of Outside Micrometer for Non-Standard Temperature Conditions	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162), Published in Volume 3 Issue 9 , September-2016	

3.	Manoj D. Joshi, A. Goyal, S. M. Patil and R. K. Goyal	Tribological and thermal properties of hexagonal boron nitride filled high-performance polymer nanocomposites	January 20, 2017 Issue 4, Volume 134, Journal of Applied Polymer Science	44409
4	D Walunje and Rajiv B.	Analysis of steam injector and Sparger	International Organization of Scientific Research, Vol. 2, E-ISSN : 2278-1684.	page 66-70
5	Veeral Thakur, Rajiv B. and Tarun Yadav	Drag optimization of Bluff bodies using CFD for Aerodynamic applications, ,	International Journal of Computational Engineering Research ISSN (e): 2250 – 3005, Volume, 07, Issue, 04, April – 2017.	pp 25-32
6	Sandip S. Anasane and B. Bhattacharyya	Investigation on micromilling of through microslots on titanium by electrochemical micromachining	Int. J. Precision Technology, Vol. 6, Nos. 3/4, 2016,	231-247
7	Pawar, P., Sandip S. Anasane	Experimental study of electroless copper coated on ABS Material used for tooling in EDM machining process	Journal of Production Engineering, JPE (2016) Vol.19 (2) 27-32	27-32
8	Nitin Kamble, B.U. Sonawane, and B.B. Ahuja	Study on Forming Analysis by Fab System in Deep Drawing Process [M S2062] Forming Process Using Photogrammetric Method and Numerical Simulation	Journal of Machining and Forming Technologies, Volume 8, Issue 1-2, ISSN: 1947-4369	41-54
9	V. N. Chougule A. V. Mulay	Review: Analysis and Manufacturing of Ankle Foot Orthosis for Foot Drop	Journal of Mechanical and Civil Engineering (JMCE), ISSN- 2320-334X, eISSN – 2278-1684 International Organization of Scientific Research (IOSR) Journals Special Issue / presented at the 6th National Conference on Recent Developments in Mechanical Engineering [RDME -2017], MES COE, Pune, 17-18th March 2017	
10	V. N. Chougule A. V. Mulay	Partial Foot Amputation, Finite Element Analysis of Foot and Manufacturing of Prosthetic Sockets: A Review	Journal of Mechanical and Civil Engineering (JMCE), ISSN- 2320-334X, eISSN – 2278-1684 International Organization of Scientific Research (IOSR) Journals Special Issue / presented at the 6th National Conference on Recent Developments in Mechanical	

			Engineering [RDME -2017], MES COE, Pune, 17-18th March 2017	
11	Jayant S. Karajagikar and Dr. Bhagwan U. Sonawane	Statistics Based Acceptance Criteria for Vibration Analysis and Maintenance Decision Making on Gearbox Application Test Rig	International Journal of Mechanical Engineering and Technology (IJMET), Volume 8, Issue 6, June 2017. ISSN PRINT : 0976 – 6340  <a href="http://www.iaeme.com/IJMET/issues.asp?JType=IJMET&amp;VType=8&amp;IType=6">http://www.iaeme.com/IJMET/issues.asp?JType=IJMET&amp;VType=8&amp;IType=6</a>	525–529
<b>National Journal</b>				
1	Dipti Morkar, N.R. Rajhans, Vinayak Angane	Implementation of six sigma methodology for productivity improvement,	Industrial Engineering Journal, Vol IX, Issue 7, July 2016,	p 23 to 31.
2	Tushar Prabhu, Ameya Pathak, N.R. Rajhans,	Forecasting of Renewable Electricity Generation using Time-Series forecasting Methods	Industrial Engineering Journal, Vol IX, Issue 8, Aug. 2016	p 42-46.
3	Ajinkya Jadhav, Dr. Mrs.N.R. Rajhans, Vinayak Angane,	Effective Utilization of Manpower in Outside Services for Manufacturing Firm	Industrial Engineering Journal, Vol IX, Issue 9, Sept. 2016	p 43-47
4	M R Dhanvijay and B B Ahuja	Experimental investigations on Al <sub>2</sub> O <sub>3</sub> ceramics by powder mixed electrochemical discharge(PM-ECDM) process	Manufacturing Technology Today, August 2016, Issue 8. ISSN: 0972-7396	10-17
5.	V.A. Kulkarni, B. B. Ahuja, M.R. Dhanvijay	CO-PO Mapping and Attainment Booklet for Tier-II students with Rubrics Assessment	Journal of Engineering Education Transformations, Volume 30 , No 3, January 2017, ISSN 2349-2473, eISSN 2394-1707	16-24
6	Shilpa Samak Kulkarni, Neela Ravindra Rajhans	Lead Component Method: A heuristic for cell formation	Amity Journal of Operations Management Vol 1, Issue 1, Sept 2016, ISSN 09702555	77-96
7	Rajesh Dhake, Dr. Mrs. N.R. Rajhans & Nagesh Bhole	K-means + clarke & wright algorithm for optimization of vehicle mounted drinking water purification units– a case study	Industrial Engineering Journal, Vol X, Issue 1, Jan.2017, ISSN 09702555.	42-46
8	Vicky B. Sardar, Dr. (Mrs.) Neela R	Study of the behaviour of intermittent demands	Industrial Engineering Journal, Vol. X & Issue No. 2, February - 2017	24-31

	Rajhans			
9	Sagar D. Saigaokar, P. D. Pantawane	Design of straightening fixture to control the distortion after welding process	International journal of scientific research and development, vol 4, 2016, ISSN (online): 2321 -0613	729-732
10	Ameya Deokar, Prakash Pantawane	Improved Methodology for Storage and Quick Retrieval of Hard Files using 5s Principles	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 5 Issue III, March 2017 IC Value: 45.98 ISSN: 2321-9653	831-837

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S.No	Authors	Title	Details of Journal/Conference	Page Numbers
<b>International Conference</b>				
1	Bagwan Jameer Khaleel, M. N. Shaikh, Dr. Rajiv B., Dr. B.B.Ahuja	Comparative experimental investigation of cryogenically treated tool and work piece with conventional EDM process	International Conference Manufacturing Technology and Simulation 2017 at IIT Madras, Chennai July 6-8, 2017	Pages 151-156
2	Vicky B Sardar, Neela R Rajhans	Problems associated with Haemodialysis techniques and their prevention measures: a comparative study	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	
3	Ameya G. Pathak, Tushar P. Prabhu, Harashal B. Chaudhari, Dr. Mrs. N. R. Rajhans	Small scale fodder cutter	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	
4	Shraddha S Thakare, Dr. Mrs. N. R. Rajhans,	Design of hospital bed with selection using MCDM techniques	Indian Institution of Industrial Engineering and International conference on Manufacturing and Industrial Engineering(ICMIE 2017) 14- 16 Sept 2017, JNEC Aurangabad	
5	Abhijit Nakhate,	Effects of Process parameters on machine	10th International Conference on Precision Meso,	page No.



	P.D.Pantawane and Rajiv B.	Vibrations, Cutting Force, Surface Roughness and their co-relations in hard turning on CNC Lathe, , Proceedings of	Micro and Nano Engineering (COPEN 10) Decbembr 07-09 2017, IIT Madras Chennai	890-894
6	Shubham S. Deore, B.B.Ahuja	Experimental Investigation into effect pf Process Parameters in Manufacturing PolymBlend Nanofibers and its morphology	10th International Conference on Precision Meso, Micro and Nano Engineering (COPEN 10) December 07-09 2017, IIT Madras Chennai	
7	V. N. Chougule, A. V. Mulay, B. B. Ahuja	Clinical Case Study: Spine Modeling for Minimum Invasive Spine Surgeries (MISS) using Rapid Prototyping	Proceedings of the 10th International Conference On Precision, Meso, Micro and Nano Engineering (COPEN 10) December 07 – 09, 2017, IIT Madras, Chennai-600036. (India)	96-102
8	A.B.Gholap and M.D.Jaybhaye	Condition Based Maintenance Modeling using Vibration Signature Analysis	Proceedings of 1 <sup>st</sup> International and 4 <sup>th</sup> National Conference on Reliability and Safety Engineering (INCRS-2018), PDPM IIITDM Jabalpur February 26-28, 2018	
9	Atul Chavan and M D Jaybhaye	Optimal Scheduling of Mining Operations to improve Product Quality	59th National Convention of IIIE and International Conference on Manufacturing and Industrial Engineering (ICMIE-2017) , MGM's JNEC Aurangabad, 14-16 Sept. 2017	
10	Vaibhav Nyati, M D Jaybhaye , Vicky Sardar	Optimization of Facility Layout for Improvement in Productivity	4th International Conference on Industrial Engineering (ICIE-2017)SVNIT Surat, 21-23 December 2017..ISBN 978-93-86238-39-9	pp. 412-418
11	Chaitali M Tapase , M D Jaybhaye	A TOPSIS method based approach to Vendor Selection	7th International Conference on A Confluence of Trends & Technologies Reshaping Global Business , Feb. 9-10, 2018, Chronicle of the Neville Wadia Institute of Management Studies & Research, Vol. 7, Issue 1, ISSN:2230-9667,	pp.189-198
<b>National Conference</b>				
1	Saurabh Dhussa and Dr Rajiv B.	Time study for redution of set up time in Production Line	Procedings of 3rd National CONFERENCE on "Research & Developments in Mechanical, Electronics & Civil Engineering"	MECH: 66
2	Saurabh Sanjay Gawande and Dr Rajiv B.	Production Ramp up of upper and main Assembly lines of Excavator Manufacturing	Procedings of 3rd National CONFERENCE on "Research & Developments in Mechanical, Electronics & Civil Engineering"	MECH: 67

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<b>International Journal</b>				
01	Sandip S. Anasane and B. Bhattacharyya	Experimental investigation into micromilling of microgrooves on titanium by electrochemical micromachining	Journal of Manufacturing Processes 28 (2017) (Elsevier)	285–294
2	Gayatri C. Deshmukh and S. M. Patil	Study for Best Data Obfuscation Techniques using Multi-Criteria Decision-Making Technique	International Journal of Computer Applications Issue No. 43, Volume 180, May 2018 pp. 50-57 ISSN: 0975 – 8887	50-57
3	Aditya Milind Sane and Sudhir Madhav Patil	Reducing the Number of Quality Defects in a Packaging Film Manufacturing Process using IoT Sensor Data	International Journal of Engineering Trends and Technology (IJETT) Issue 3, Volume 59, May 2018 pp. 127-129 ISSN: 2231 – 5381	127-129
<b>National Journal</b>				
1	Divyesh Prakash Trivedi, Dr. B. B. Ahuja & Dr. N. R. Rajhans	Process optimization of plastic tap manufacturing company,	Industrial Engineering Journal Volume 10 & Issue No. 10 Oct. 2017, ISSN 0970-2555	24-30
2	S. N. Patil, A. V. Mulay and Dr. B.B.Ahuja	Development of Experimental Setup of Metal Rapid Prototyping Machine using Selective Laser Sintering Technique	Journal of the Institution of Engineers (India): Series C ISSN 2250-0545, Volume 99 Number 2 DOI 10.1007/s40032-016-0338-6	159-167
3	Bagwan Jameer Khaleel, M. N. Shaikh, Dr. Rajiv B., Dr. B.B.Ahuja	Machinability of Cryogenically treated workpiece (AISI M2 HSS) in EDM Process	Manufacturing Technology Today (MTT) Journal, ISSN No-09727396 Vol no 17, Page No 3-7	3-7

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<b>International Conference</b>				
1	Pratiksha Garje and Dr. B. Rajiv	Design and development of gesture recognition system for car air vent	International Conference on Inventive Research in Computing Applications (ICIRCA 2018) – Reg,	

			11-12, July 2018. ICIRCA 2018	
2	Modiksha Madan and Dr B. Rajiv	Development of Combination Tool for Drilling and Tapping Operation on PVC Polymeric Material	4th International Conference On Computing, Communication, Control And Automation I3 A, IEEE Pune Section, 16th - 18th Aug 2018.	
3	Rohit Bhangle, Dr. Neela R. Rajhans	Quantifying Productivity Targets for Direct unionized labor,	ICIEND - ITER, Bhubaneshwar - 27-30 Sept 2018	
4	Rohit Bhangle, Dr. Neela R. Rajhans	Effect of Learning Curve on Efficiency of Assembly Line	AEOTIT- SVNIT, Surat - 3-5 August 2018	
5	Ameya G. Pathak, Dr. Neela R. Rajhans	Aspects Related to Dialysis Techniques for End Stage Renal Disease	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	
6	Ameya G. Pathak, Mr. Vicky B. Sardar, Dr. Neela R. Rajhans	Problems Associated With Traditional Harvesting Techniques In India	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	
7	B N Sontakke Dr. B B Ahuja	Mechanical Characterization and Process Optimization of PolyJet 3D Printing using Digital ABS with Different Part Geometries	7 <sup>th</sup> International and 28 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDR 2018) at College of Engineering Guindy, Anna University, Chennai Dec 13-15, 2019	
8	S.U. Ghunage S.M. Rathod B.B. Ahuja	A Thermo-Mechanical Finite Element Analysis of Resistance Spot Welding of Dual Phase Steel and Austenitic Stainless Steel	7 <sup>th</sup> International and 28 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDR 2018) at College of Engineering Guindy, Anna University, Chennai Dec 13-15, 2019	
	Yogesh Kamble, Dr P D Pantawane, Dr B. Rajiv and Dr. B.B. Ahuja	Development of Combination Tool for Drilling and Tapping Operation on PVC Polymeric Material	AIMTDR-2019 College of Engineering Guindy, Anna University, chennai, Tamil Nadu, India 13-15 Dec 2019.	
	Divya Chavan , Dipali Avahale and Dr. B.Rajiv,	Critical analysis of automobile components by FMEA and Pareto Analysis	International conference on “ Reliability, Risk Maintenance & Engineering management “(ICRRM 2019).	Paper No. 100
	Vivek Patil, Dr. B. Rajiv	Thinking beyond One Dimension	ICMAX 2019, K K Wagh Nasik, Feb, 15-16 – 2019.	
	Yogesh Kamble and	Development of Pull out Force Measuring	ICMAX 2019, K K Wagh Nasik, Feb, 15-16 – 2019.	

Dr. B. Rajiv	setup for Form Tapped AL 6063 tube over previously friction drilled holes,		
Rohit Bhangle, Dr. Neela R. Rajhans	Effect of Learning Curve on Efficiency of Assembly Line	AEOTIT- SVNIT, Surat - 3-5 August 2018	
Ameya G. Pathak, Dr. Neela R. Rajhans	Aspects Related to Dialysis Techniques for End Stage Renal Disease	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	
Ameya G. Pathak, Mr. Vicky B. Sardar, Dr. Neela R. Rajhans	Problems Associated With Traditional Harvesting Techniques In India	HWWE 2018 College of Engineering Trivendram 14-16 Dec 2018.	
Workload Balancing of Assembly Line in An Automobile Manufacturing Industry	Ankit Sagwekar, Mrs. Dr. N. R. Rajhans, Naresh Hans	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
Lean Manufacturing at Water test	Sumukh Kengar, Dr. N. R. Rajhans	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
Automation in Spot Welding Mechanism of Rocker Panel in Automobile Body Shop	Ketan Deshpande, Prof. Dr. N.R. Rajhans, Nimesh Shah, Ameya Pathak	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
Reduction in	Dheeraj Sangore, Mrs. Dr. N.R. Rajhans,	Proc. of the 2nd International Conference on	

	Manufacturing Cost by Optimizing the Manual Part Handling System	Nishant Katekhaye	Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
	Nilesh B. Bagal, S. U. Ghunage	Improvement in Operational Efficiencies by Changing Facility Layout Design	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
	S.U. Ghunage, D.R. Arawat, J. B. Jacob	Ergonomics in Hydraulic Lift Table	Proc. of the 2nd International Conference on Manufacturing Excellence (ICMAX-2019), Feb. 15-16, 2019, Department of Production Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.	
	Akshay Jadhav, Dr.P.D.Pantawane, Dr. Tansen Chaudhari	Designing of Manufacturing Facility Layout using ALDEP Methodology	2nd International Conference On “Manufacturing Excellence” (ICMAX – 2019), 15th and 16th February 2019	
	Rahul P. Diggi, Dr. P. D. Pantawane, Er. Yusuf Husain	Process Variation Analysis & Improvement of New Product Assembly in Pilot Phase Using Six Sigma Tools Rahul P. Diggi, Dr. P. D. Pantawane, Er. Yusuf Husain	2nd International Conference On “Manufacturing Excellence” (ICMAX – 2019), 15th and 16th February 2019	
	Ameya Dalvi, Dr. M. D. Jaybhaye	Optimization of Parameters for Calculating Effective Material Properties of Lattice Structures using Homogenization	2 <sup>nd</sup> International Conference on Manufacturing Excellence (ICMAX – 2019)	333-337
	Jayshree Khade, Dr. M D Jaybhaye	Implementation of 5S+1 methodology in Testing & Simulation Lab	2 <sup>nd</sup> International Conference on Manufacturing Excellence (ICMAX – 2019)	56- 60
	Puja More, Dr. M. D. Jaybhaye	Fractal Analysis – A Technique for Analyzing Wear Particles	2 <sup>nd</sup> International Conference on Manufacturing Excellence (ICMAX – 2019)	
	Swapnil Gosavi, Dr. M. D. Jaybhaye	Effect of Friction Stir Welding Process Variables on Mechanical Properties and Tool Pin Wear of Aluminum Metal Matrix	2 <sup>nd</sup> International Conference on Manufacturing Excellence (ICMAX – 2019)	

		Composites: A Review		
<b>National Conference</b>				
1	Ashutosh Dharu, Rishika Dutta, Neela Rajhans ,Vicky Sardar	Simulating Preventive Maintenance Schedule in an Automotive Industry to Reduce Breakdowns	National Conference on Industrial Engineering and Technology Management NCIEM 2018 NITIE, 30 Nov -1 Dec 2018	
<b>International Journal</b>				
01	Harshvardhan Maheshwari, Ameya Pathak, Dr. N.R. Rajhans	Prediction of Defects in Axle Production Using Monte-Carlo Simulation,	International Journal of Engineering Science Invention (IJESI) ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org, Volume 7 Issue 12 Ver I, Dec 2018	54-60
2	Ganesh Narkhede and N. R. Rajhans	Insights on Supply chain needs and issues in Indian SMEs	Journal of Industrial and Engineering Chemistry ISSN: 1226-086X Issue Volume 12 Issue 2 Feb 2019	
3				
<b>National Journal</b>				
1	Pooja Deshmukh and Dr. Mrs. N. R. Rajhans	Comparison of Project Scheduling techniques PERT versus Monte Carlo simulation	IEI Journal, Vol. XI & Issue No. 7 July – 2018	11-19.
2	N. Thakkar, D. Maheshwari, N. R. Rajhans	Vertical analysis of the 6m in pfmea to reduce data analysis and improve system performance	IEI Journal Nov. 2018 Vol. XI & Issue No. 11	35-42
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