

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
 (An Autonomous College u/s 2 (f) and 12 (B) of UGC Act 1956)
 DEPARTMENT OF MECHANICAL ENGINEERING

PUBLICATIONS IN INTERNATIONAL CONFERENCE

S. No.	Name of Faculty	Title of Publication	Conference Paper Name, Vol., Iss., pp.	ISBN/ ISSN (if any)	DOI (if any)
2017					
1	Singh Harmeet	Effects on Stratification in a Packed Bed Solar System	104 th Indian Science Congress, S.V University, Tirupati, Jan 3-7, 2017	-----	-----
2	Kaur Jagjit	Analysis of Earth Air tunnel Heat Exchanger System.	ICRIME 2017	-----	-----
2016					
1	Singh, G., Singh, J. and Singh, H.	Performance Improvement of Manufacturing Unit using Six Sigma DMAIC approach	Proceedings of International Conference on Latest Development in Materials, Manufacturing and Quality Control, GZSPTU Campus, Bathinda, 2016	-----	-----
2	Jain, A., Bhatti R.S. and Singh, H.	Total Productive Maintenance (TPM) – An approach for Indian SMEs to improve manufacturing Performance	Proceedings of 2 nd International Conference on Innovative Advancements in Engineering and Technology (IAET-2016) held at Jaipur National University, Jaipur (in association with Myongji University, South Korea), Rajasthan Paper ID PN_ME 1602 from April1-2 2016, Absract on page no. 28	-----	-----
3	Jain, A., Bhatti R.S. and Singh, H.	A Graph Theoretic Approach to Identify Human Related Success Factors for TPM Implementation	Proceedings of 4 th International Conference on Production and Industrial Engineering (CPIE-2016) at Dr. B. R. Ambedkar National Institute of Technology Jalandhar (India, 2016). Paper ID CPIE-2016, Absract on page no. 37	-----	-----
4	Kapoor D,	Study the Corrosion Resistance of Cerium Substituted Silicate.	4 th International Conference on		

5	Singh H, Saini R.P, Saini J.S	Performance of a Packed Bed Solar Energy Storage System Having Rectangular Elements as Storage Material	International Conference on Recent Innovations in Engineering and Technology (ICRIET), Kuala Lumpur, Malaysia, 17-18 October , 2016	978-93-86291-07-3	-----
6	Singh H	Experimental Investigation of a Packed Bed Solar Energy Storage System	103 rd Indian Science Congress, University of Mysore, Mysuru, Jan 3-7 , 2016	-----	-----
7	Sandhu A S	Cost Reduction Using Analysis for a Rickshaw Steering Bar	84 th The IIER International Conference, 2016	978-93-86291-07-3	-----
8	Sandhu A S	Assessment of Kaizen Tools and Techniques in a Manufacturing Industry- A Case Study	103 nd Indian Science Congress, 2016	-----	-----
9	Singh G, Singh J, Singh ,H	Performance improvement of a manufacturing unit using six sigma dmaic approach- a case study	International Conference on Latest Developments in Materials, Manufacturing and Quality Control (MMQC-2016)	978-93-5212-858-7	-----
10	Kumar A, Pannu A S	Effect of Hard Surface Coatings on the wear rate of grey cast iron (ASTM 25) applicable to forging hammer guide ways	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (2016) held at Baba Farid College of Engineering and Technology , Bathinda , Punjab , India	-----	-----
11	Pannu A S, Singh S, Dhawan V Singh J	Development of Natural Fiber reinforced fully biodegradable composite rod	National Conference on Production Engineering (2016)	2315-4527	10.17706/ijmse

12	Singh J, Singh H , Singh M, Chatha S S	Effect of Tool Pin Configuration and Welding Parameters on Microstructure and Mechanical Properties of Friction Stir Welded joints of Dissimilar Aluminium Alloys	International Conference on Advancements in Engineering & Technology (ICAET-2016)	978-81-924893-1-5	-----
13	Kumar M, Singh S , Farwaha H S	Characterization of Magnetic Abrasives prepared by Sintering Process.	4 th International Conference on Production & Industrial Engineering Organized by: NIT Jalandhar, 2016.	-----	-----
14	Pannu A S and Kaur Gurmeet	Economic and Robustic Design of Riding Lawn Mower Deck	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (2016) held at Baba Farid College of Engineering and Technology , Bathinda , Punjab , India	-----	-----
2015					
1	Singh J, Singh P	Assessment of Procurement-demand of milk using QC tools-A Case Study	17 th International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME-2015).	-----	-----
2	Singh P, Singh J	Performance Evaluation of Single Basin Solar Still	17 th International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME-2015)	-----	-----
3	Pannu A S , Singh S, Dhawan V	A Review on Sisal, Jute and Bamboo based natural fibres	International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering (2015)	978-81-930411-4-7	-----
4	Farwaha H S , Singh S, Singh P	Fine Finishing Of 316l Stainless Steel Thin Plate With Magnetic Abrasives.	17 th ISME Conference on Advances in Mechanical Engineering Organized by: IIT Delhi, 2015.	-----	-----

2014					
1	Dhawan V, Debnath K, Singh I. and Singh S	Drilling of Glass Fiber-Reinforced Epoxy Laminates with Natural Fillers: Thrust Force Analysis	Proceedings of the International Conference on Research and Innovations in Mechanical Engineering Lecture Notes in Mechanical Engineering 2014, springer, pp 105-115.	ISBN 978-81-322-1859-3	-----
2	Dhawan V, Singh S , Debnath K and Wadhawan S	Predictive Modeling of drilling induced damage in drilling of composite laminates using Fuzzy Logic	Proceedings of the International Conference on Processing and Fabrication of Advanced Materials: XXIII, IITRoorkee, India, pp 110-118	-----	-----
3	Dhawan V, Singh S and Debnath K,	Prediction and comparison of thrust force and torque in drilling of Glass/Epoxy composites filled with natural fillers	Proceedings of the International Conference on Processing and Fabrication of Advanced Materials: XXIII, IITRoorkee, India, pp 170-178	-----	-----
4	Singh P, Singh S , Singh L	Application of magnetically assisted gel abrasives for fine finishing.	International conference on Processing and Fabrication of Advanced Materials, organized by Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee.	ISBN: 978-93-84588-182	-----
5	Kapoor J , Salaria S	Study the internal surface and geometrical characteristics of cylindrical work piece in ECH	In the Proceeding of the International Conference on Advances in Mechanical and Robotics Engineering-- AMRE 2014, Switzerland	(ISBN: 978-1-63248-031-6)	10.15224/978-1-63248-031-6-165
6	Singh S, Singh P and Shan H S	Comparative Evaluation of Mechanically Alloyed and Sintered Magnetic Abrasives for Fine Finishing	5 th international and 26 th All india manufacturing technology, Design and research conference (AIMTDR 2014) December 12 th -14 th ,2014, IIT Guwahati, Assam, India, pp 615(1-6)	-----	-----
7	Singh H , Singh A, Bilga P S and Singh L.	Assessment of Energy Expenditure of Workers by using 'AHP': A Case Study of Process Industry	Proceedings of ISAHP 2014 held at Washington DC, USA from June 29, 2014 to July 02, 2014	ISSN 1556-8296). (Online Proceedings	-----
8	Jain A, Bhatti R S and Singh H	Improvement of workers and work place of construction site by implementing 10s concept (5s for work and 5s for workers) of TPM model for SMEs: A Case Study	Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, October 16-18, 2014 126-137.	-----	-----

9	Jain A, Bhatti RS and Singh H.	Improving Employee & Manpower Productivity by Plant Layout Improvement	Proceedings of 2014 RAEC SUIET Punjab University Chandigarh, March 6-8, Published In CD form	2014 (ISBN 978-1-4799-2290-18/14/©2014 IEEE)	10.1109/RAECS.2014.6799636
10	Singh H and Kumar R	Selection of Chain Material in Automobile Sector using Multi Attribute Decision Making Approach	Proceedings of ISAHP 2014 held at Washington DC, USA from June 29, 2014 to July 02, 2014.	ISSN 1556-8296).	-----
11	Brar G S, Singh S	An Experimental and CFD Analysis of Sloshing in a Tanker	2nd International Conference on Innovations in Automation and Mechatronics Engineering 2014, Anand, Gujarat, India, March 7-8, 2014.	-----	-----
12	Singh H, Brar G S and Singh H	Failure Behavior of Structural Square Hollow Section Cornor Welded Joint	ASMEPVP Conference, Anaheim, California, USA, July 20-24, V001toa118; 7 pages, 2014.	ISBN: 978-0-7918-4598-1	10.1115/PVP2014-29083
13	Brar G S	Residual Stresses in Butt Welding of Two Circular Pipes: An Experimental and Numerical Investigation	ASMEPVP Conference, Anaheim, California, USA, July 20-24, V1, V001toa117; 5 pages 2014.	ISBN: 978-0-7918-4598-1	10.1115/PVP2014-29082
14	Pandher C S, Brar G S and Singh T	Use of Composites in Leaf Springs: A Brief Review	Frontiers in Material Research & Applications (FMRA-2014), SBSSTC, Ferozepur, Oct., 30-31, 2014 78-81	ISBN: 978- 93-83842-92-6	-----
15	Brar G S and Mittal G	Impact of Powder Metallurgy Electrode in Electric Discharge Machining of H-13 Steel	2014 International Conference on Mechanical Design and Manufacturing, Hong Kong, Nov 7-9, pp. 191-195 2014	-----	-----
16	Brar G S and Singh H	Analysis of prediction of time series models for industrial products	International Conference on industrial, mechanical and production engineering. advancements and current trends, November 27-29, pp. 527-533, 2014	ISBN: 978-93-84935-03-0	-----
17	Brar G S, Banerjee, S. and Singh, H.	Energy conservation by DMAIC approach – a case study in a milk plant	101 st Indian science congress, university Of Jammu, Jammu from February 3-7 2014, pp. 23	-----	-----
2013					
1	Kapoor J, Singh S	The Effect of Cryogenically Treated Brass Wire Electrode on the Performance Characteristics of WEDM	In the Proceedings of International Conference on Sustainable Manufacturing and Operations Management ISOM-2013, Mauritius, pp 31-36.	ISBN : 9788192578125	-----

2	Kapoor J, Singh S	The Effect of Deep and Shallow Cryogenic Treated Wire Electrodes on the Performance Characteristics of WEDM	In the Proceedings of International Conference on Advances in Mechanical and Robotics Engineering-- AMRE 2013, Switzerland, pp 66-70.	(ISBN: 978-981-07-7965-8)	10.3850/978-981-07-7965-8_82
3	Kapoor J	Multi response optimization of WEDM using utility based Taguchi approach	Proceedings of International Conference on research and innovations in mechanical engineering (ICRIME-2013) held at GNE, Ludhiana, 24 th -26 th Oct. PP 233-242 (Lecture Notes in Mechanical Engineering,	ISSN 2195-4356 2195-4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3	DOI: 10.1007/978-81-322-1859-3_21 Springer India 2014)
4	Singh H, Kumar R. and Singh J.	Evaluation of Thermal Power Plants of Punjab using Multi Attribute Decision Making (MADM) Approach	Proceedings of 3 rd International Conference on Production and Industrial Engineering CPIE-2013 held at NIT, Jalandhar on March 29-31, 2013	(ISBN: 978-81-920453-1-3).	-----
5	Singh H and Kumar R.	Measuring the Utilization Index of Advanced Manufacturing Technologies: A Case Study	Proceedings of IFAC Conference on Manufacturing Modelling, Management and Control held at Saint Petersburg, Russia from June 19, 2013 to June 21, 2013. 899-904	-----	10.3182/20130619-3-RU-3018.00395
6	Singh J and Singh H	Performance Enhancement of Manufacturing Unit Using Six Sigma DMAIC Approach: A Case Study	Proceedings of International Conference on Research and Innovations in Mechanical Engineering, October 24-26, 2013. 563-572.	-----	DOI: 10.1007/978-81-322-1859-3_52
7	Jain A, Bhatti R S and Singh H	Productivity Improvement Through 5S Implementation in Indian Manufacturing Industries.	Proceedings of International Conference on Research and Innovations in Mechanical Engineering, October 24-26, 2013. 535-546.	-----	DOI: 10.1007/978-81-322-1859-3_49
8	Jain A, Bhatti R S and Singh H	Improvement of Indian SMEs through TPM Implementation – An Empirical Study	Proceedings of International Conference on Advances in Mechanical Engineering, AETAME (Elsevier Publications) pp, 786-792.	-----	-----
9	Jain A, Bhatti R S and Singh H.	Implementation of Autonomous Maintenance for the Improvement of OEE of Machines in SMEs – In Context of Indian Enterprises	Proceedings of International Conference on Smart Technologies for Mechanical Engineering 537-544.	-----	-----

10	Singh J and Singh H	Benefits achieved after successful implementation of Kaizen approach in SMEs of Northern India – An Empirical Study	Proceedings of 3rd International Conference on Production and Industrial Engineering CPIE-2013 held at NIT, Jalandhar on March 29-31, 2013	(ISBN: 978-81-920453-1-3). Published In CD form	-----
11	Singh H, Singh P, Kaur G	A Review of Daylight Illuminance and Window Design in Buildings	Workshop on Advances in Energy Engineering & Technology, IIT (BHU), Varanasi, June 28-30, 2013.	ISBN: 978-93-82880-44-8	-----
12	Singh H, Saini R P, Saini J S	Investigation on Stratification in a Packed Bed Solar Energy Storage System	International Conference on Advances in Chemical Engineering, IIT Roorkee, Feb. 22-24, 2013.	-----	-----
13	Brar G S	Finite Element Simulation of Residual Stresses in Butt Welding of Two AISI 304 Stainless Steel Plates	International Conference on Engineering and Management (ICEM 2013), Bhubaneswar, India, Jan. 27, 2013, pp. 21-25	(ISBN - 978-93-81693-88-7)	-----
14	Kanwar R S, Brar G S and Ucharia V	Growth Through Engineering Six Sigma	International Conference on Research and Innovations in Mechanical Engineering, GNDEC, Ludhiana, Oct 24-26, 2013, 597-604	ISSN 2195-4356 2195-4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3	DOI 10.1007/978-81-322-1859-3_55
15	Banerjee S and Brar G S	Thermal Energy Saving Using Total Quality Management	International Conference on Research and Innovations in Mechanical Engineering, GNDEC, Ludhiana, Oct 24-26, 2013, 573-585	ISSN 2195-4356 2195-4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3	DOI 10.1007/978-81-322-1859-3_53
16	Brar G S, Singh G	Numerical Analysis of Residual Stresses in V-Butt Welded Joint of Two Dissimilar Pipes	ASMEIMECE Conference, San Diego, California, USA, November 15-21, pp. V02BTO02A010; 6 pages, Nov. 15-21, 2013	ISBN: 978-0-7918-5619-2	Doi: 10.1115/IMECE2013-62873
17	Kaur G, Singh D and Grewal J S	Effects of Filler wire composition on joining properties of GTAW stainless steel 202	Proceeding of the international conference on research and innovations in mechanical engineering, 24-26 October, 2013 at Guru Nanak Dev Engineering College, Ludhiana.	ISSN 2195-4356 2195-4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3 ebook	DOI 10.1007/978-81-322-1859-3
18	Singh P, Singh P P, Singh J and Singh R I	Performance evaluation of Micro-Stepped Solar Still	International Conference on Engineering & Management at Bhubaneswar 27th January, 2013 pp 16-20	ISBN: 978-93-81693-88-7	-----

19	Singh J, Bilga P S	Optimization of dry ball burnishing process using Neuro- fuzzy interface system and genetic algorithm 2013	Proceedings of the international conference on research and innovations in Mechanical engineering, gndec, oct. 24-26, 2013, p165-178	ISSN :2195-4356 ISSN :2195- 4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3 eBook	DOI 10.1007/978-81-322-1859-3_19,_springer India 2014
20	Sidhu A S, Bilga P S	Optimization of single point machining parameters for minimum energy utilization	Proceedings of the international conference on research and innovations in Mechanical engineering, gndec, oct. 24-26, 2013, p165-178	ISSN :2195-4356 ISSN: 2195- 4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3 eBook	DOI 10.1007/978-81-322-1859-3_19,_springer India 2014
21	Gill M S, Bilga P S	Reduction in fuel consumption and CO2 Emissions by elimination of Steam leak from steam taps	Proceedings of the international conference on research and innovations in Mechanical engineering, gndec, oct. 24-26, 2013, p165-178	ISSN :2195-4356 ISSN: 2195- 4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3 eBook	DOI 10.1007/978-81-322-1859-3_19,_springer India 2014

22	Pal J	Implementation of Quality Control Tools in an Automobile Organization to Reduce the Rejection of Casting Components”	International Conference on Research and Innovations in Mechanical Engineering (ICRIME-2013), Guru Nanak Dev Engineering College Ludhiana, pp.613-622 Oct. 24th-26th, 2013.	ISSN 2195-4356 2195-4364 electronic ISBN 978-81-322-1858-6 978-81-322-1859-3 ebook	DOI: 10.1007/978-81-322-1859-3_57, Springer India 2014.
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PUBLICATIONS IN NATIONAL CONFERENCE

2017					
1	Jagdeep Singh	Assessment of lean tools implementations In auto parts industries of Ludhiana	National Conference on Production Engineering(COPE-2016)(Published In Serial Publications Vol.9 issue-1,Jan-17)	-----	-----
2	Pal J, Dhingra D D	Utilization of Quality Control Tools in reducing rejections in aggressive Industrial Environment: A Review	46 th ISTE Annual National Conference & Convention, 2017	-----	-----
2016					
1	Singh, G, Singh, H and Kumar, R	Delivery Performance Measurement in Supply Chain Management: - A Review Paper	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab from February 26-27, 2016 , pp 184-187.	-----	-----
2	Chandel, R., Singh, H. and Kumar, R.	Evaluation of Heat Loss Factors of Steam Turbine for Thermal Power Plants using MCDM approach	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab from February 26-27, 2016 , pp 44-49.	-----	-----

3	Singh, S., Singh, H. and Kumar, R.	Ranking of equipment's on the basis of criticality: a case study	Proceedings of National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASEme-2016) scheduled to be held at CHANDIGARH UNIVERSITY, Gharuan, Mohali, Punjab from February 26-27, 2016 , pp 25-29	-----	-----
4	Singh, H. , Singh, J. and Singh, G.	Impact of SPC tools on manufacturing Industry of Punjab-An Empirical Investigation	Proceedings of National Conference on Industrial Engineering and Technology Management, NITIE, Mumbai from November 17-19,2016, pp 238-242.	-----	-----
5	Singh A, Singh J	Identification and Analysis of various delays affecting machine utilization in a tractor part industry using Work Sampling Technique	3 rd National conference on Advancements in Simulation and Experimental Techniques in Mechanical Engineering (NCASEme-2016)	-----	-----
6	Pal J, Singh H, Singh J, Singh P R	Enigma of Quality Control Tools in Manufacturing Industry	National Conference on Production Engineering, 2016	-----	-----
7	Singh S, Singh H, Kumar R	Ranking on Equipments on the Basis of Critically: A Case Study	3 rd National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASme-2016)	ISBN: 978-81-930789-2-1	-----
2015					
1	Brar G. S, Singh H. and Singh G.	Analysis of Material and Information Flow by the Comparison of Current and Future State Value Stream Mapping (VSM)	102nd Indian Science Congress, Mumbai University, Mumbai from Jan 3-7, 2015 pp. 31	-----	-----

2	Kaur J, Singh H and Singh P	Earth Air Tunnel Heat Exchanger System Review	National Conference on Latest Developments in Materials, Manufacturing and Quality Control, GZSPTU Campus, Bathinda, February 19-20 , 2015 .	ISBN: 978-93-5196-055-3	-----
3	Singh S, Singh H, Kumar R	Criticality analysis of equipments under maintenance policy by using multi criteria decision making	2 nd National Conference on Advancements in Simulation & Experimental Techniques in Mechanical Engineering (NCASme-2015) , Vol. No. 10, Issue 54	0973-4562	-----
2014					
S. No.	Name of Faculty	Title of Publication	Conference Paper Name, Vol., Iss., pp.	ISBN/ ISSN (if any)	DOI (if any)
1	Singh G, Singh S	Manufacturing of magnetic abrasive by mechanical alloying method.	National conference on latest development in materials, manufacturing and quality control on 13-14 February 2014, GZSBathinda, pp. 43	ISBN: 978-93-5156-187-3	-----
2	Gill G S, Pandhar CS and Sandhu A S	Review of six sigma DMAIC approach”	National Conference on Advancements in simulation & Experimental Techniques in Mechanical Engineering.	-----	-----
3	Singh J	Energy recovery from waste-A case study	National conference at Guru Granth Sahib University Fatehgarh Sahib(Punjab) 2014	IN PROCESS	-----
4	Singh H, PalJ	Applications of quality control	National conference on inter disciplinary research on engineering technology and management IOETM-2014	ISBN: 978-93-83006-06-9	-----

5	Singh G, Pandher C S, Singh R , Randhawa S S	Response of Reinforced Plastic Materials under different types of Loading: A Brief Review	Inter-disciplinary research in engineering , technology and management (IDETM-2014), Global Institutes , Amritsar	IN PROCESS	-----
2013					
1	Singh S ,Dhawan V, Singh I, and WadhawanS,	Predicting Modeling of Delamination Induced in GFRP Laminates using Fuzzy Logic 2013	Proceedings of National Conference on Futuristic Trends in Computing, Communication and Information System, FTCCIS-2013, YIET, Yamunanagar.	-----	-----
2	Brar G S ,Ucharia V and Kanwar R S	Quality assurance through six sigma tool: A case study in an Automotive Industry	National Conference on Recent Advances in Mechanical Engineering (NCRAME-2013) at GB PEC, Pauri-Garhwal, INDIA from July 8-9, 2013, pp78-82	-----	-----
3	Khundrakpam N S, Kumar J and Brar G S	Effect of process parameters on MRR of Wire EDM for EN-8 Steel	National Conference on Recent Advancements in Mechanical Engineering, RAME 2013 at CTIEMT, Jalandhar from Dec., 12-13, 2013, pp.87-91	-----	-----