



**S.V. National Institute of Technology, Surat, India**  
**Department of Mechanical Engineering**  
**In Association with**  
**Indian Institution of Industrial Engineering (IIIE),**  
**NHQ-Mumbai**



## **International Conference on Industrial Engineering (ICIE 2013)**

<b>Technical Program Overview</b>				
<b>Day 1, Wednesday, November 20, 2013</b>				
<b>8.30 AM -9.30 AM</b>	<b>Tea and Registration</b>			
<b>9.30 AM-10.15 AM</b>	<b>Inaugural</b>			
<b>10. 15- 10.45 AM</b>	<b>High Tea</b>			
<b>10.45 AM-11.30 AM</b>	<b>Keynote Speech - 1</b> <b>Speaker : Dr. Aditya Parida</b> , Associate Professor, Division of Operation, Maintenance & Acoustics, Lulea University of Technology, Luleå, Sweden <b>Topic:</b> Performance Measurement for Managing Engineering Assets - Some European experiences			
<b>11.30 AM-12.15 PM</b>	<b>Keynote Speech – 2</b> <b>speaker : Dr. R.P. Mohanty</b> ,Vice Chancellor, Siksha 'O' Anusandhan Bhubaneswar, Orrisa, India <b>Topic:</b> Changing Role of Industrial Engineering			
<b>12.30 PM- 2.00 PM</b>	<b>Conference Lunch</b>			
<b>Presentation Venue</b>	<b>M1</b>	<b>M2</b>	<b>M3</b>	<b>M4</b>
<b>2.00 PM- 3.30 PM</b>	Logistics and Supply Chain Management System (1)	Decision Analysis, Systems Modeling and Simulation Methods (1)	Industrial Engineering Techniques	Total Quality Management Systems, Six Sigma (1)
<b>3.30 PM- 3.45 PM</b>	<b>TEA BREAK</b>			

<b>3.45 PM to 5.15 PM</b>	Production Economics and Finance	Reliability and Maintenance Engineering	Facility Planning and Management	Products and Process Innovations (1)
<b>5.15 PM to 6.00 PM</b>	<b>Workshop:</b> Tips and Techniques for Publishing in International Journals Dr. Md. Mamun Habib Dept. of Operations Management, Faculty of Business Administration American International University-Bangladesh (AIUB)			
<b>7.30 PM onwards</b>	<b>Conference Dinner and Cultural Programme</b>			
<b>Day 2, Thursday, November 21, 2013</b>				
<b>8.30 AM- 9.30 AM</b>	<b>Morning Breakfast</b>			
<b>9.30 AM- 10.15 AM</b>	<b>Keynote Speech -3</b> <b>Speaker: Dr. Md. Mamun Habib</b> ,Associate Professor, Dept. of Operations Management, Faculty of Business Administration American International University-Bangladesh (AIUB) <b>Topic:</b> Recent Trends in Supply Chain Management			
<b>10.15 AM-11.00AM</b>	<b>Keynote Speech -4</b> <b>Speaker : Mr. Atik M. Desai</b> General Manager, Larsen & Toubro Limited Hazira, Surat, India <b>Topic:</b> Recent Trends in Industrial Engineering: An Experience of Indian Organization			
<b>11.00 AM-11.30 AM</b>	<b>TEA BREAK</b>			
<b>Presentation Venue</b>	<b>M1</b>	<b>M2</b>	<b>M3</b>	<b>M4</b>
<b>11.30 AM-1.00 PM</b>	Optimization Techniques in Industrial Engineering (1)	Lean, Agile and Quick Response Manufacturing	Production Engineering (1)	Production Planning, Scheduling and Control (1)
<b>1.00 PM- 2.30 PM</b>	<b>Conference Lunch</b>			
<b>2.30 PM- 4.00 PM</b>	Logistics and Supply Chain Management System (2)	Renewable Energy and Management (1)	Eco-Friendly and Sustainable Manufacturing	Technology and Knowledge Management
<b>4.00 PM- 4.15 PM</b>	<b>TEA BREAK</b>			

<b>4.15 PM to 5.45 PM</b>	Ergonomics/Human Factors Engineering	Decision Analysis, Systems Modeling and Simulation Methods (2)	Production Engineering (2)	Total Quality Management Systems, Six Sigma (2)
<b>7.30 PM onwards</b>	<b>Conference Dinner and Cultural Programme</b>			
<b>Day 3, Friday, November 22, 2013</b>				
<b>8.30 AM- 9.30 AM</b>	<b>Morning Breakfast</b>			
<b>9. 30 AM- 11.00 AM</b>	<b>Lecture by Dr. R.L.Shrivastav and Dr. T.N.Desai</b>			
<b>11. 00 AM-11.30AM</b>	<b>TEA BREAK</b>			
<b>Presentation Venue</b>	<b>M1</b>	<b>M2</b>	<b>M3</b>	<b>M4</b>
<b>11.30 AM-1.00 PM</b>	Optimization Techniques in Industrial Engineering (2)	Renewable Energy and Management (2)	Artificial Intelligence in Improving Productivity	Products and Process Innovations (2)
<b>1.00 PM- 2. 30 PM</b>	<b>Lunch</b>			
<b>2.30 PM- 4.00 PM</b>	Logistics and Supply Chain Management System (3)	Decision Analysis, Systems Modeling and Simulation Methods (3)	Production Engineering (3)	Production Planning, Scheduling and Control (2)
<b>4.00 PM- 4.15 PM</b>	Tea Break			
<b>4.15 PM to 5.45 PM</b>	Logistics and Supply Chain Management System (4)	Decision Analysis, Systems Modeling and Simulation Methods (4)		Total Quality Management Systems, Six Sigma (3)
<b>5.45 onwards</b>	Valedictory and High Tea			

<b>Session : Logistics and Supply Chain Management System (1)</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 2.00 PM - 3:30PM</b>			
<b>Location : M1</b>			
1.	ICIE 220	Supply Chain Performance Measurement, appraisalment by Grey-MULTIMOORA: An Empirical Study	<b>A. K. Sahu,</b> S. Datta, S. S. Mahapatra
2.	ICIE 263	Implementation of reverse logistics in travancore cements limited	<b>Jenine Joseph,</b> Vazhakulam, Muvattupuzha
3.	ICIE 266	Supply Management Integration	<b>S. K. Pradhan,</b> S. Routroy,
4.	ICIE2013-P-13	Mass Customization, Postponement and Modularization Strategies: A Theoretical Consideration	<b>J.K.Purohit,</b> M.L.Mittal
5.	ICIE2013-P-18	Analyzing Interaction among the Barriers of Sustainable Supply Chain Management	<b>M. Tyagi,</b> P. Kumar, D. Kumar
6.	ICIE2013-P-22	Quality of supply chain- study of select issues	<b>Ashwini Sharma,</b> Dixit Garg, Ashish Agarwal

<b>Session : Decision Analysis, Systems Modeling and Simulation Methods (1)</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 2.00 PM - 3:30PM</b>			
<b>Location : M2</b>			
1.	ICIE 234	Selection of Industrial Robot Based on Grey-MULTIMOORA	<b>N. K. Sahu,</b> S. Datta, S. S. Mahapatra
2.	ICIE2013-P-30	Fuzzy DEMATEL Approach for Analysing Risks in Green Supply Chain	<b>Sachin Mangla,</b> Pradeep Kumar
3.	ICIE2013-P-36	Maintenance strategy selection for the steam generating unit of coal fired thermal power plant using fuzzy AHP	<b>Dilbagh Panchal,</b> Dinesh Kumar
4.	ICIE2013-P-113	Development of Fuzzy AHP Model for Evaluation of Aggregate Risk in Green Manufacturing	<b>A.K. Digalwar,</b> Ravi Kiran
5.	ICIE2013-P-129	Multi Criteria Decision Analysis Using AHP Technique to Improve Quality in Service Industry: An Empirical Study	<b>Om Ji Shukla,</b> Lalit Upadhayay, Amit Dhamija
6.	ICIE2013-P-74	Application of Grey Relational Analysis (GRA) to Material Selection for Sustainable Product Design: A Multi Attribute Decision Making (MADM) Approach	<b>Lokesh Kumar</b> <b>Ranjan,</b> Kumar Rohit, G.D. Thakar
7.	ICIE2013-P-127	Analysis of manufacturing capability and technology gap in spice processing industries	<b>Sindu. S</b>

<b>Session : Industrial Engineering Techniques</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 2.00 PM - 3:30PM</b>			
<b>Location : M3</b>			
1.	ICIE2013-P-120	Technology Efficiency Engineering - An Important Task of Industrial Engineering	<b>Narayana Rao K.V.S.S.</b>
2.	ICIE 251	Feasibility of Collaboration between Automobile Sector and Downstream Oil Sector	<b>D. Bhattacharjee,</b> Utpal Baul, R.P. Mohanty
3.	ICIE 210	Developing A Mathematical Model To Check Employability Of Mechanical Engineering Graduate – A Step To Placed Right Candidate At Right Place.	<b>Vijay N Kalbande,</b> C. C. Handa, R. R. Gawande
4.	ICIE 242	Productivity enhancement by educating grass root level employees	<b>B.Selvan,</b> <b>S.Kalpanadevi</b>
5.	ICIE2013-P-58	Classical Industrial Engineering Approach for Labour Productivity Improvement of a Shell Type Boiler	<b>Hrushikesh Dushi</b>
6.	ICIE2013-P-172	Productivity Mmeasurement and Improvement of Manufacturing Systems- A Literature Review	<b>R.E.Hiwase</b> , J.F.Agrawal
7.	ICIE2013-P-142	Value Engineering & Project Management	<b>S.R.Prajapati,</b> Tushar.N.Desai,

<b>Session : Total Quality Management Systems, Six Sigma (1)</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 2.00 PM - 3:30PM</b>			
<b>Location : M4</b>			
1.	ICIE 218	Quality Problems Solving In Industry By Using Quality Tools & Techniques	<b>Deepak Sharma,</b> Rajeev Saha
2.	ICIE 260	Waste Reduction In Food Industry Using Quality Tools - Case Study Of A Catering Service Provider	<b>P.N.Raval,</b>
	ICIE 260	Waste Reduction In Food Industry Using Quality Tools - Case Study Of A Catering Service Provider	<b>P.T.Sharma</b>
3.	ICIE2013-P-39	Assessing the Readiness of an Organisation to Implement Six Sigma	<b>Bhagwat M.M,</b> Bhushi U.M, M.Srinivasa Rao
4.	ICIE2013-P-66	Understanding of Barriers in Adoption of ISO/TS-16949 Practices	<b>Aashish U.Gandigude,</b> Anand K. Bewoor

5.	ICIE2013-P-70	Role of Lean Six Sigma in Quality Management Practices: A Case Stud	<b>K.R.Agarwal,</b> A.A.Bhalerao, G.S.Jakhotia, S.U. Sapkal, A.K.Bewoor
----	---------------	--	---

<b>Session : Production Economics and Finance</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 3.45 PM - 5:15PM</b>			
<b>Location : M1</b>			
1.	ICIE 211	Profit maximisation model for the design of a reverse supply chain	<b>Sajan T. John,</b> R. Sridharan
2.	ICIE2013-P-49	Stressed 'Carbon Emissions-at-risk capital' estimation as a measure to control Carbon emissions	<b>Rohit Malhotra</b>
3.	ICIE2013-P-93	Production Inventory Model For Weibull Deteriorating Items With Price And Quantity Dependent Demand, Time Varying Holding Cost And Shortages	<b>Raman Patel,</b> Shital S. Patel
4.	ICIE2013-P-97	An Inventory Model For Deteriorating Items With Time Varying Demand And Partial Backlogging Under Permissible Delay In Payment	<b>Shital S. Patel,</b> Raman Patel
5.	ICIE2013-P-117	Impact of Microfinance on Women Entrepreneurs: A Study	R. K. Garg , <b>C. H. Desai</b>

<b>Session : Reliability and Maintenance Engineering</b>			
<b>Date : Wednesday, November 20, 2013</b>			
<b>Time : 3.45 PM - 5:15PM</b>			
<b>Location : M2</b>			
1.	ICIE 235	Augmented Reality - Technology for Effective Maintenance in Railway Sector	<b>S. Singh,</b> D. Galar, U. Kumar, R. Oliveira, T. Farinha
2.	ICIE2013-P-64	Cloud Computing for Maintenance Performance Improvement	<b>Ravdeep Kour,</b> Ramin Karim, Aditya Parida
3.	ICIE2013-P-183	Enhancing Productivity by measuring the performance through Overall Equipment Effectiveness	<b>Manishkumar H. Patel,</b> A. A. Pujara
4.	ICIE 294	Important Of Overall Equipment Effectiveness Through Total Productive Maintenance (TPM) In Industry: A Case	<b>Purushottam Kumar Sahu</b>

		Study	<b>Dimpesh Silarpuriya</b>
5.	ICIE2013-P-92	Availability simulation model for stochastic analysis of steam generator in a coal-fired power plant	<b>Ravinder Kumar</b>
6.	ICIE2013-P-79	Scheme for Calculation of Overall Equipment Effectiveness in Foundry	<b>Jignasha Acharya,</b> A. M. Gohil, Sanjay Desai
7.	ICIE2013-P-160	Study and Design of In-pipe Inspection Robot	<b>H. Sheth,</b> <b>S. Chhatrala,</b> <b>I. Dave</b>
8.	ICIE 286	Reliability improvement of centrifugal compressors in petrochemical industries by following standard maintenance practices	<b>Gagan S Desai,</b> T.N Desai
<b>Session : Facility Planning and Management</b> <b>Date : Wednesday, November 20, 2013</b> <b>Time : 3.45 PM - 5:15PM</b> <b>Location : M3</b>			
1.	ICIE 226	A selection of Plant location using Preference Selection Index method	K. D. Maniya, <b>H. K. Dave,</b> M. G. Bhatt
2.	ICIE2013-P-27	Quantitative analysis of incorporating production parameters in cellular layout planning	<b>Summit Saurav,</b> A. R. Dixit
3.	ICIE2013-P-99	Productivity Improvement on 2 Wheeler Cluster Assembly Line - A Case Study	Rajesh J. Dhake, Pavan Bhojar, <b>Parikshit Chinchole</b>
4.	ICIE2013-P-19	Literature Review of Similarity Coefficient in Cellular Manufacturing Systems	<b>M.Pachayappan,</b> R.Panneerselvam
5.	ICIE 296	Improving the Facility Layout by Using 5S, A Literature Review	<b>P. N. Shende,</b> R.R.Gawande, D. B. Shinde
6.	ICIE 268	Importance Of Bio-metric Sensor In Hospital Management System	<b>S. N. Shingne,</b> <b>R. A. Mulay</b>

<b>Session : Products and Process Innovations (1)</b> <b>Date : Wednesday, November 20, 2013</b> <b>Time : 3.45 PM - 5:15PM</b> <b>Location : M4</b>			
1.	ICIE2013-P-137	Study of Evaluation Systems for Culture-technology Innovative Products	<b>M.Liu,</b> W.Jiang
2.	ICIE 225	Industrial Importance of Aluminium-Fly Ash Composite	<b>Pankaj Sharma,</b> O.P. Kaushal, Amit Sharma

3.	ICIE2013-P-151	Experimental Investigation on Surface Quality of Sheet Metal Component Formed by DLRP Process	<b>B. V. Desai,</b> K. P. Desai, H. K. Raval
4.	ICIE 206	Study of Variables of Textile Manufacturing Industries and their effects on Productivity of Solapur based SMEs	<b>P.R.Kulkarni,</b> A.K. Bewoor, S.P.Kallurkar
5.	ICIE 283	Conceptual design of Micro milling machine by Retrofit approach	<b>S. S Thambkar,</b> B.B Deshmukh
6.	ICIE2013-P-154/ ICIE 271	Machine Setup Time Reduction and Productivity Improvement for Cylindrical Roller Bearing	<b>Ronak Kamdar,</b> Dhaval B. Shah

**Session : Optimization Techniques in Industrial Engineering (1)**

**Date : Thursday, November 21, 2013**

**Time : 11.30 AM - 01:00PM**

**Location : M1**

1.	ICIE 233	Ant colony optimization based heuristic and its application for solving a location-routing problem in parcel delivery services	<b>Vinay V. Panicker,</b> R. Sridharan
2.	ICIE2013-P-57	A hybrid Firefly algorithm for solving bi-criteria Flexible Job Shop Scheduling Problem	<b>S. Karthikeyan,</b> P. Asokan
3.	ICIE2013-P-162	Modeling for the Optimization of Supply Chain with Remanufacturing in buy back policy	<b>R. N. Mahapatra,</b> B. B. Biswal, D. S. Sahoo
4.	ICIE 261	Optimality and Sensitivity Analysis in an Instantaneous EOQ Model with Promotional Effort Cost, Dynamic Ordering Cost and Units Lost due to Deterioration	<b>D.S. Sahoo,</b> M. Pattnaik
5.	ICIE 274	Bi-objective Optimization of Cotton Yarn Cost and Quality	<b>A. Ghosh,</b> <b>S. Das</b>
6.	ICIE2013-P-47	Comparison of Evolutionary Optimization Techniques for Unconstrained Continuous Optimization Problems	<b>Joji Thomas,</b> S.S. Mahapatra <b>Ganpat Lal Rakesh</b>
7.	ICIE 240	Optimisation of resources and crashing down the planned maintenance period in a thermal power station	<b>R.Manian</b> <b>Garimella Uma Papa</b>

**Session : Lean, Agile and Quick Response Manufacturing**

**Date : Thursday, November 21, 2013**

**Time : 11.30 AM - 01:00PM**

**Location : M2**

1.	ICIE2013-P-104	Changeover time and its variability reduction through	<b>S. Ghosh,</b>
----	----------------	---	------------------



		SMED-Kaizen approach: Case study of an Indian steel pipe manufacturing unit	P. K. Chaudhury, D. Pramanik, S. Lal, F.Sarwar, A. Gupta, R. Mangal
2.	ICIE2013-P-75	Design of an Optimal Kanban System: Case Study of a Mixed Model Assembly Line	<b>Himanshu Singh</b> , Kumar Rohit, G.D. Thakar, Bachchan Kanungo
3.	ICIE2013-P-35	Reducing change-over time in EVA moulding machine using SMED Methodology – A Case study.	<b>Shekhar Deshpande</b>
4.	ICIE2013-P-24	Agile Manufacturing for Sustainability of Small Scale Enterprises	<b>Sharad Kulkarni</b>
5.	ICIE2013-P-126	Identification of Non Value Added Activities in Process Industries in Context to Lean Manufacturing Implementation	<b>Avinash Panwar</b> , R. Jain, A. P. S. Rathore
6.	ICIE 258	A Review on Scope of Lean Manufacturing in Small and Medium Enterprises of Gujarat	<b>S.Y.Jani</b> , T.N.Desai

<b>Session : Production Engineering (1)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 11.30 AM - 01:00PM</b>			
<b>Location : M3</b>			
1.	ICIE 219	Effect of Machining Parameters in Drilling of Composites	<b>A. K. Mehar</b> , S. S. Mahapatra, S. K. Patel
2.	ICIE2013-P-80	Optimal Design Approach for Machining of Hardened AISI 4340 Steel using Coated Carbide Inserts	<b>S. R. Das</b> , A. Kumar, D. Dhupal
3.	ICIE2013-P-153	Statistical Analysis Of Surface Roughness In Sintered Magnetic Abrasives Based Magnetorheological Finishing Process	<b>Mahendra Niranjana</b>
4.	ICIE 270	Selection of Components of Bending Die: A KBS Approach	<b>S.Mulay</b> , Deepak Panghal, Shailendra Kumar
5.	ICIE2013-P-98	Defect Detection in Radiographic Valve Casting Images Using Morphological Threshold Segmentation Technique	<b>S.S.Khedkar</b> , G.K.Awari, S.P.Untawale, M.M.Mushrif, S.S.Chaudhari

<b>Session : Production Planning, Scheduling and Control (1)</b>	
<b>Date : Thursday, November 21, 2013</b>	

<b>Time : 11.30 AM - 01:00PM</b>			
<b>Location : M4</b>			
1.	ICIE 247	Determination of Bend Sequencing using Bend Grouping Method	<b>Deepak Panghal,</b> Shailendra Kumar
2.	ICIE2013-P-143	The single-item capacitated lot-sizing problem with backlogging, safety stocks and limited outsourcing	E. Mahdizadeh, <b>A. Fatehi Kivi</b>
3.	ICIE2013-P-167	Scheduling a Dynamic Job Shop with Sequence Dependent Setup Time using Discrete-Event Simulation	<b>Vinod V,</b> R. Sridharan
4.	ICIE2013-P-32	A Quantum Particle Swarm Optimizer for Multi-Objective Flexible Flow Shop Scheduling Problem	<b>Manas Ranjan Singh,</b> Siba Sankar Mahapatra
5.	ICIE 280	Identification and shifting of bottlenecks in radiator fabrication line of transformer manufacturing industry using Theory of Constraints (TOC) approach: A Case Study	<b>M.N.S.Prasad,</b> A. Seshu Kumar, M.Sreenivasa Rao
6.	ICIE 275	Computer Aided Production Scheduling for the Job-Order Foundry	<b>V. H. Panchal,</b> S. M. Sheth, T. D. Patel
<b>Session : Logistics and Supply Chain Management System (2)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 2.30 PM - 04:00PM</b>			
<b>Location : M1</b>			
1.	ICIE2013-P-25	Automated guided vehicles in industrial logistics	<b>Arvind Kumar Singh,</b> Shyam Kumar Choudhary
2.	ICIE2013-P-54	Analysis Of Ship To Use Program (STU): A Case Study To Investigate The Effectiveness Of Supplier Certification Program	P. S. Atigre, <b>M. T. Telsang</b>
3.	ICIE2013-P-105	Investigating the Issues in Perishable Food Supply Chain: A Case Study	<b>Man Mohan Siddh,</b> Gaurav Gadekar, Gunjan Soni, Rakesh Jain
4.	ICIE2013-P-158	FDI in Indian Multi Brand Retail and It's impact on Retail Supply chain	<b>Anjali Panda</b>
5.	ICIE 213	The cluster approach and supply chain management for furniture clusters in Indian context: a review	<b>R.B.Chadge,</b> R.L.Shrivastava, S.D.Kshirsagar
6.	ICIE2013-P-191	Application of Multicriteria Decision making approaches for gree supply chain management strategies in a Cement Industry	<b>P.Muralidhar,</b> D.Nagaraju

<b>Session : Renewable Energy and Management (1)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 2.30 PM - 04:00PM</b>			
<b>Location : M2</b>			
1.	ICIE 279	Anaerobic Co-Digestion of Dairy Waste Scum With Kitchen Waste	<b>K. V. Patel,</b> B. Velmurugan, M. Narra, S. Mandovra, A. D. Galgale
2.	ICIE 284	Improving energy efficiency in SMEs and SSIs	Abhay E. Wagh, <b>A. G. Matani,</b> <b>A. A. Gulhane</b>
3.	ICIE2013-P-78	Cost effective utilization of bagasse in sugar industries	<b>G.V.Patil,</b> <b>A.N.Kallol</b>
4.	ICIE2013-P-114	Certain Analysis of Photovoltaic-Thermal Hybrid Solar Cooker with Ionic Liquids	<b>Smita B. Joshi</b> A. R. Jani
5.	ICIE2013-P-156	Performance Characteristics of Double pass Air heater	<b>Avinash Chandrasekharan,</b> Mahesh B Gorwar
<b>Session : Eco-Friendly and Sustainable Manufacturing</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 2.30 PM - 04:00PM</b>			
<b>Location : M3</b>			
1.	ICIE 221	Green Design: Issues and Challenges	<b>Sanjeev Shrivastava,</b> R.L.Shrivastava, S.K.Ganguly
2.	ICIE 246	Methods to Minimize Manufacturing Energy of a Product for Sustainable Manufacturing - A Review	<b>P. D. Chougule,</b> S. Kumar, H. K. Raval
3.	ICIE 282	Development of a Sustainable Design of a Garlic Peeler	<b>S. J. Madki,</b> B.B. Deshmukh
4.	ICIE2013-P-83	An study of finding Impact of Green Manufacturing (GM) practices on Firms profitability	<b>Minhaj Ahemad .A.Rehman,</b> R.R.Shrivastava, R.L.Shrivastava
5.	ICIE2013-P-101	Remanufacturing – A Review and Future Research Needs	<b>Amol D. Lokhande,</b> R. L. Shrivastava, Rashmi R. Shrivastava
6.	ICIE2013-P-107	Vegetable oil based nano solid lubricants for sustainable manufacturing	<b>Padmini R,</b> Vamsi Krishna P, Krishna Mohana Rao G, Srikant R R
7.	ICIE2013-P-	Solar Heating for Industrial Process Heat: Step Towards Eco-friendly and Sustainable Technology Se le ct The me	<b>Vinod Kumar,</b> R.L.Shrivastava,

	133/ICIE 243	: Eco-Friendly and Sustainable Manufacturing	S.P.Untawale
--	--------------	--	--------------

<b>Session : Technology and Knowledge Management</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 2.30 PM - 04:00PM</b>			
<b>Location : M4</b>			
1.	ICIE 231	Effectiveness of Knowledge Management Implementation Barriers in the Indian Engineering Industries: An Approach of ISM	<b>K. K. Shukla,</b> M. D. Singh B. P. Sharma
2.	ICIE 241	Knowledge management implementation enablers in the indian engineering industries: an ism approach	<b>Asif Ahmad,</b> M.D. Singh, B.P. Sharma
3.	ICIE 255	Technology Readiness Index (TRI) - A Critical Literature Review	<b>V. S. Gupta,</b> R.K. Garg
4.	ICIE 256	Organizational Knowledge Sharing Barriers in the Indian Engineering Industries: An Interpretive Structural Modeling Approach	<b>Ubaid Ahmad Khan,</b> M. D. Singh, B.P.Sharma
5.	ICIE 262	Similarities and Dissimilarities of Strategies for Knowledge Management Implementation and Challenges in Indian SMEs	<b>A. Anand,</b> R. Kant, M.D.Singh
6.	ICIE 291	Knowledge Management Enablers in Engineering Industries: An ISM Approach	<b>H.G.Shaha,</b> Ravi Kant

<b>Session : Ergonomics/Human Factors Engineering</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 4.15 PM -5.45 PM</b>			
<b>Location : M1</b>			
1.	ICIE 293	Ergonomic assessment and musculoskeletal problems in household utensil cleaning women worker	<b>K. B. Salve,</b> P. V. Kane
2.	ICIE2013-P-20	A novel ergonomic design of a shoe sole for coupled usage with stubbed carpet for preventing slip induced falls with special attention to the elderly	<b>Yadunath R Varma,</b> Jeyapaul R
3.	ICIE2013-P-21	A finite element analysis for stress distribution in muscle tissue of Buttock for different cushion thickness	<b>P.P.Mohanty,</b> S.S. Mahapatra
4.	ICIE2013-P-34	Development of Jigs and Fixtures for stirrup Making Activity	<b>H. M. Shukla,</b> A. S. Puttewar

5.	ICIE2013-P-42	Effect of mono axis vibration, direction and subject postures on writing performance	<b>M.K. Bhiwapurkar,</b> V.H. Saran, S.P. Harsha
6.	ICIE2013-P-46	Rating Man-Machine Module of Overhead Crane through Industrial Ergonomics Principles	<b>Trinath Pachal</b>
7.	ICIE2013-P-131	Preventing Work-related Musculoskeletal Disorders in India	<b>G. Raju,</b> M. L. Meena

<b>Session : Decision Analysis, Systems Modeling and Simulation Methods (2)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 4.15 PM -5.45 PM</b>			
<b>Location : M2</b>			
1.	ICIE2013-P-29	Supplier selection using AHP and PROMETHEE-2 method	<b>Bhavesh Kumar Shakey,</b> Sanjeev Mishra
2.	ICIE2013-P-51	Modelling with Small Sample using the Bootstrap approach	<b>A. Prakash,</b> R.P. Mohanty
3.	ICIE2013-P-67	Use of Simulation in Manufacturing Industries: A Case Study	<b>N. V. Ruikar,</b> M. T. Telsang
4.	ICIE2013-P-69	Supplier Selection and Evaluation in Automobile Industry: Application of AHP Approach	<b>Neha Jain,</b> A. Dalpati, G.D. Thakar, Kumar Rohit
5.	ICIE2013-P-140	Structuring of Critical Success Factors (CSFs) for Contract Management Implementation	<b>S. K. Pradhan,</b> S. Routroy
6.	ICIE2013-P-88	Validation of buckling in modeling and simulation of exhaust component developed by Tube Hydroforming	<b>Mitesh Sharma,</b> L. Bajpai
			<b>P.L. Verma,</b>
			<b>Sanjay Jain,</b>
			<b>P. Agrawal,</b>
7.	ICIE2013-P-103	Performance assessment of coal circuit using Delmia-Quest	<b>F. Sarwar,</b> S. Ghosh, S. K. Haldar, R. S. Singh, B. Banerjee

<b>Session : Production Engineering (2)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 4.15 PM -5.45 PM</b>			
<b>Location : M3</b>			
1.	ICIE2013-P-125	Effect of High Heat Transfer Rate MQL in Turning of Aluminium Metal Matrix Coposite	<b>N. V.V.S. Sudheer</b>
2.	ICIE 249	Experimental investigation on exposure time of hot dip galvanized steel and effect of preflux bath additives on the microstructures of Zinc coating on Mild steel	<b>B.D.Deshmukh,</b> A.P.Patil
3.	ICIE 281	A Critical Study on Casting Defects in Light Metals	<b>D.M.Wankhede,</b> C.M.Choudhari, B.E Narkhede
4.	ICIE2013-P-96	Review of Micro milling machine and its various components	<b>S. S Thambkar,</b> A.M Mulla, R.D Mistry, B.B Deshmukh, S.S Pardeshi
5.	ICIE2013-P-90	Elimination of Hole Offset Rejection of an OBJ Socket by a Design of Fixture in Vertical Machining Cell	Thiyagarajan K, Martin L, <b>Daniel Jayaseelan,</b> Aravind@Karuppaih

<b>Session : Total Quality Management Systems, Six Sigma (2)</b>			
<b>Date : Thursday, November 21, 2013</b>			
<b>Time : 4.15 PM -5.45 PM</b>			
<b>Location : M4</b>			
1.	ICIE2013-P-71	Comparative Approach between Six Sigma & Lean Six sigma	<b>M.S.Lande,</b> R.L.Shrivastava
2.	ICIE2013-P-123	Development of Instrument for Evaluating Performance Measurement Factor of Technical Education – A TQM Approach	<b>Anil R. Sahu,</b> R. L. Shrivastava
3.	ICIE2013-P-132	Six sigma framework & Services	<b>S. K. Das,</b> R. L. Shrivastava
4.	ICIE2013-P-149	Application of SEDAC for reducing rejection of metal top assembly of Power capacitors – A case study	<b>Shekhar Deshpande</b>
5.	ICIE2013-P-157	Critical Success Factors for Six Sigma Implementation	<b>Ravi S. Reosekar,</b> Sanjay D Pohekar

<b>Session : Optimization Techniques in Industrial Engineering (2)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 11.30 AM -:1. 00 PM</b>			
<b>Location : M1</b>			
1.	ICIE 244	Design optimization of cutting parameters for turning Al 6061alloy	<b>Srivivasa Rao G.</b>
2.	ICIE 265	Optimization of Delamination factor of cutting parameter on GFRP Composite using Taguchi method	<b>P.P.Patil,</b> N.B.Gurule
3.	ICIE2013-P-7	Optimize The Smoothness Index In Assembly Line Balancing Through Kilbridge Wester Method for Type One Problem for Medium Commercial Vehicle: A Case Study at Eicher Motors Limited,Indore (M.P.)	Sandip Kumar Mishra, <b>Ashish Manoria</b>
4.	ICIE2013-P-11	Optimization of set up time reduction for Flexible Manufacturing Systems	<b>Mandar Arvind Kelkar,</b> Nitin G Shekapure, Sachin S Kallurkar
5.	ICIE2013-P-82	Study and Experimental analysis of machining of Inconel 718	<b>S. N. Shinde,</b> H. V. Vankudre, D. G. Thakur
6.	ICIE 223/ ICIE2013-P-56	“Optimization of Groove Design & Backing Methods to Enhance the Productivity of Structural Tubular Welds of Jacket Legs and Piles”	<b>Kamal Dhandha,</b> Amandeep Singh, Sunny Soni, Mandar Gaddu, Sanjeev Padvanda, Adil Bhathena, Naresh Dhir
7.	ICIE2013-P-63	Result optimization by grey relational analysis of Electro chemical Polished Stainless Steel	<b>R. P. Bansod,</b> A.B.Deoghare

<b>Session : Renewable Energy and Management (2)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 11.30 AM -:1. 00 PM</b>			
<b>Location : M2</b>			
1.	ICIE2013-P-182	An Analysis of Long Term Electricity Scenario of Maharashtra State	<b>Rajesh V. Kale,</b> Sanjay D. Pohekar
2.	ICIE 278	A Convenient and Efficient Synthesis of Biodiesel Fuel from low cost feed stock by using Phospho sulfonic acid: a versatile and efficient solid Acid catalyst	<b>M.L. Savaliya,</b> B. Z. Dholakiya
3.	ICIE2013-P-95	Utilization of exhaust gas for power generation using	<b>Ganesh Chouhan,</b> Tushar N. Desai

		DMAIC	
4.	ICIE2013-P-118	Consumers' Awareness, Attitudes and Behaviour towards Renewal Energy Sources	<b>A.R. Kulkarni</b> <b>P.K. Garg</b> <b>R.K. Garg</b>
5.	ICIE2013-P-185	Biogas Technology: A case study on status, Prospects and Constraints	<b>R. Pareek,</b> Hemant Nagarsheth

<b>Session : Artificial Intelligence in Improving Productivity</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 11.30 AM -:1. 00 PM</b>			
<b>Location : M3</b>			
1.	ICIE 238	An expert system for process planning of sheet metal parts produced on compound die	<b>S.S.Kashid,</b> Shailendra Kumar
2.	ICIE2013-P-52	Artificial Neural Network based Graphical User Interface for estimation of fabrication time in Rig construction Project	<b>D. H. Patel,</b> A. H. Makwana, A. A. Mehta
3.	ICIE2013-P-152	Addressing the problem of undetected worn tools using ANN during turning of EN 24 steel	<b>Sanatan Ratna</b>
4.	ICIE2013-P-163	Study and Prediction of Ball Burnishing Parameters to Improve Surface Roughness -Using Artificial Neural Network	<b>A. S. Maheshwari</b> <b>R. R. Gawande</b>
5.	ICIE2013-P-168	An expert system for selection of punches of compound die	<b>S.S.Kashid,</b> Shailendra Kumar
6.	ICIE 257	Kidney stone Disease Diagnosis Using Artificial neural network	<b>Sunil U. Nyati,</b> <b>Irfan Y. Khan</b>

<b>Session : Products and Process Innovations (2)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 11.30 AM -:1. 00 PM</b>			
<b>Location : M4</b>			
1.	ICIE2013-P-161	Analysis of Centering Error in Eccentrically Mounted Graduated Circle using Graphical Approach	<b>Sanket Bhavsar</b>
2.	ICIE 212	Experiences of Integrated approach of Product and Process improvement through innovative methods to ensure Division of Organisation remained in profit zone	<b>Gururaj Kulkarni</b>



3.	ICIE2013-P-28	Innovation imperative for the competitive advantage and the role of service and strategy	<b>B. H. Modi,</b> S. J. Thanki
4.	ICIE 237	An investigation on influence of process parameters on surface roughness in abrasive water jet machining of AISI 316L	<b>P. M. Trivedi,</b> Shailendra Kumar
5.	ICIE 204	Vibration Characteristic of Mini Tractor (8.7 kW) Clutch under Different Operating Conditions	<b>G. J. Vaghela,</b>
6.	ICIE 236	An Experimental Study on the Influence of Process Parameters in Single Point Incremental Sheet Forming (SPIF)	<b>R. K. Jagtap,</b> Shailendra Kumar

<b>Session : Logistics and Supply Chain Management System (3)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 2.30 PM -:4. 00 PM</b>			
<b>Location : M1</b>			
1.	ICIE 259	Reverse Logistics for End of Life Vehicles (Passenger Vehicles) Management in India	<b>G. J. Badwe,</b> R.L.Shrivastava
2.	ICIE2013-P-37	An Empirical Study of Supply Chain Performance of Indian Manufacturing Organizations	<b>Amit Kumar Marwah,</b> Girish Thakar, R.C. Gupta
3.	ICIE2013-P-68	A Multi Criteria Decision Making Model for Supplier Selection and Evaluation: Case of Kraljic Model	<b>A.A.Chavan,</b> S.R.Gangurde, Bewoor Ananad K.
4.	ICIE2013-P-100	Demand Management of Perishable Products using Supply chain Management	Hemant R. Thakkar, <b>Jaydeep M. Ravalji</b>
5.	ICIE2013-P-181	Investigations on service and effectiveness of reverse logistics of consumables and materials.	<b>S. U. Bokade,</b> D. N. Raut, B. E. Narkhede
6.	ICIE 288	Competitive Advantage of an Organization through Supply Chain Practices	<b>S. J. Gorane,</b> Ravi Kant

<b>Session : Decision Analysis, Systems Modeling and Simulation Methods (3)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 2.30 PM -:4. 00 PM</b>			
<b>Location : M2</b>			
1.	ICIE2013-P-108	Lean Performance Assessment of Manufacturing Cells using AHP	Rajesh.Dhake, Pavan.Bhojar, <b>Akshay Shekhar,</b> N.R.Rajhans

2.	ICIE2013-P-112	Selection of Farm Equipments for Ergonomic Analysis using Analytical Hierarchy Process	<b>R. T. Vyavahare,</b> S. P. Kallurkar
3.	ICIE2013-P-119	Selection of material: A multi-objective decision making approach	<b>Rajnish kumar,</b> Jagadish, Amitava Ray
4.	ICIE2013-P-116	Selection of Refrigerant for Air Conditioning System Using MCDM-TOPSIS Approach	<b>V. K. Pandey,</b> S.K. Tiwari, R. Saxena, S. Pandey
5.	ICIE2013-P-175	Information sharing implementation using fuzzy DEMATEL method	<b>S. D. Patil,</b> R. Kant
6.	ICIE2013-P-128	Time and Energy Efficient Maximum Lifetime routing algorithm	<b>Khushbu Tikhe,</b> Bhagwat Kakde

<b>Session : Production Engineering (3)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 2.30 PM -:4. 00 PM</b>			
<b>Location : M3</b>			
1.	ICIE2013-P-89	Direct And Indirect Hard Tooling Produced By Rapid Prototyping Processes	<b>M.A. Bhat,</b> A.A. Shaikh
2.	ICIE2013-P-26	Experimental analysis Of Spring back effect In Sheet Metal Components with Holes on the Bending Area	<b>Jignesh Sohaliya,</b> Jay Shah
3.	ICIE2013-P-130	An application of slip line method for machining - A review	<b>B.G.Mewada,</b> H.K. Raval
4.	ICIE2013-P-135	Feasibility of Application of Solid Lubricants in Machining Process: A review	<b>M.A.Makhesana,</b> K.M.Patel
5.	ICIE2013-P-159	Application of nano fluid for improving efficiency of machining process	<b>Sachindra Doshi</b>
<b>Session : Production Planning, Scheduling and Control (2)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 2.30 PM -:4. 00 PM</b>			
<b>Location : M4</b>			
1.	ICIE2013-P-43	AHP-QFD integrated approach for process selection: make or buy	<b>Neha Sharma,</b> S.J. Thanki
2.	ICIE2013-P-62	No-Wait Flow Shop Scheduling with Additional Constraints	<b>Sagar U. Sapkal,</b> Dipak Laha
3.	ICIE2013-P-76	Setup Time Reduction on Mounter Machine – A Case Study	<b>Rajesh Dhake,</b> Viraj Rajebhosale
4.	ICIE2013-P-77	Execution of Pull Loop from Assembly	Piyush Sheth,

			Swati Khedgaonkar, <b>Hitesh Thakare</b> <b>Yogita Patil</b>
5.	ICIE2013-P-109	Setup Time Reduction on Vertical Machining Centre - A Case Study	Parikshit Chinchole, <b>Aditya Mundhada</b> , Rajesh J. Dhake
6.	ICIE2013-P-171	Optimizing Dispatch Schedules In Steel Industries By Using Project Management Software	<b>Harshlata Rewaskar</b>

<b>Session : Logistics and Supply Chain Management System (4)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 4.15 PM -:5. 45 PM</b>			
<b>Location : M1</b>			
1.	ICIE 289	Dealer's Perception about Jyoti Ltd. : A Survey from eastern region of Gujarat	Hitesh Parmar, <b>Jayesh Waghvani</b>
2.	ICIE 292	Supplier Development: A Need of Organizations	R. Kant, <b>M. V. Dalvi</b>
3.	ICIE2013-P-169	Similarities and Dissimilarities of Competitive Priorities and Role of Management for IS Enablement of SC for Indian Manufacturing Organizations	<b>A. A. Pujara</b> , R. Kant
4.	ICIE2013-P-60	"Tailored Supply Chain in ETO business"	<b>Amit Shukla</b> , Pragnesh Dave
5.	ICIE2013-P-165	Enablers to implement Green Supply Chain Management: An Analytic Hierarchy Process (AHP) approach	<b>Rakesh Kumar</b> <b>Malviya</b> , Ravi Kant

<b>Session : Decision Analysis, Systems Modeling and Simulation Methods (4)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 4.15 PM -:5. 45 PM</b>			
<b>Location : M2</b>			
1.	ICIE2013-P-48	Latent Class Analysis in segmentation and in capturing dynamic business context – case of apparel exporters	<b>Subhajt Chakrabarty</b> , Biswajit Nag
2.	ICIE2013-P-91	Concurrent Design of Electroplating Effluent Treatment System Using MADM Approach	<b>Abhishek Kumar</b> , Shibu Clement, V.P. Agrawal
3.	ICIE2013-P-106	Benchmarking industrial casting with Casting Simulation	<b>Pankaj Mishra</b> , Durgesh Joshi

4.	ICIE2013-P-111	Modeling for Process Variables' Prediction for Surface finish in Abrasive Jet Polishing (AJP) Process using Artificial Neural Network Technique	H. S. Beravala, <b>J. R. Samani</b> , N. S. Katariya <b>P. B. Jadav</b>
5.	ICIE2013-P-166	Ranking the Enablers of Knowledge Management adoption in Supply Chain by Using Trapezoidal Fuzzy AHP Method	<b>Sachin K. Patil</b> , Ravi Kant
6.	ICIE2013-P-170	Study of Critical Contextual Knowledge Flow Enablers Using fuzzy DEMATEL Method	<b>Vishal A. Bhosale</b> , R. Kant

<b>Session : Total Quality Management Systems, Six Sigma (3)</b>			
<b>Date : Friday, November 22, 2013</b>			
<b>Time : 4.15 PM -:5. 45 PM</b>			
<b>Location : M4</b>			
1.	ICIE2013-P-61	Quality Function Deployment – Effective Tool to Incorporate Customer Needs into Product	<b>A.M.Adhaye</b> , P.V.Kane
2.	ICIE2013-P-110	A case study on labour productivity improvement using value stream mapping in a CNC machine assembly plant	<b>Prashanth.P</b>
3.	ICIE2013-P-23	Lean and Six Sigma : A Literature Review	<b>Shradha Gupta</b> , Monica Shrama
4.	ICIE 203	Implementation of POKA YOKE in Blow Moulding Process – A Quality Improvement method	<b>Parikshit Patel</b> , J. A. Doshi
5.	ICIE 248	Issues and challenges related to Implementation of Total Quality Management Practice and Coping strategies: A Case Study	<b>M. V. Sidhpuria</b>
6.	ICIE 285	Application of Six Sigma DMAIC Methodology in Industry	<b>Daulat Singh</b> , T. N. Desai