

## TECHNICAL SESSION 01: QUALITY ENGINEERING – I

VENUE: AU – TVS HALL

DATE: January 3<sup>rd</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	QE16 097	Case Studies of Service Quality: The New Dimensions in Indian Healthcare Sector <b>R.Balamurugan and H.Abdul Zubar</b>
2	QE24 138	Design and Development of Portable Emission Absorbent Using Design for Six Sigma Tool <b>ML.Mahadevan, T.Mohamed Azarudeen and S.Jerard Wilson</b>
3	QE25 140	Reduce Rework of Boot Up and Boot Damage using Six Sigma DMAIC Approach <b>M.Dhanashekar and S.Karthikeyan</b>
4	QE26 142	Optimization of Production Time Using Lean Technique in a Pneumatic Actuator Manufacturing Unit <b>P.Kumaravelu, B.Mohan and Anantharaman Sriraman</b>
5	QE27 153	Throughput Time Reduction in Starter Motor Manufacturing Using Lean Manufacturing Concepts & Tools <b>C. Raahul Krishnan, K. Balaji and V. S. Senthil Kumar</b>
6	QE28 155	Influence of Quality Management Practices on Organizational Innovation – The Mediating Role of Organizational Learning Culture <b>Ambika M. Raja</b>
7	QE30 157	Implementation of Total Quality Management in Indian Automotive Industry: Current Scenario <b>Joseph J Kaippen and Pradeep Kumar</b>
8	QE31 161	Identification of Major Barriers to TQM Implementation in Manufacturing Organizations <b>P.Mohamed Ali</b>
9	QE35 185	Impact of Life Data Analysis on Wind Turbine Gearbox <b>R.Srinivasan, T.Paul Robert, K.Harish Babu and N.Mallikarjun</b>
10	QE36 190	Fault Tree Based Reliability Estimation of Power Electronic Converter in Wind Turbine <b>S.Safwana Rasmi, Keerthana Paul and T.Paul Robert</b>
11	QM34 171	Cross Layered Optimized Mac For CRWSN <b>J.Bala Vishnu and M.A.Bhagyaveni</b>

## TECHNICAL SESSION 01: HUMAN FACTORS - I

### VENUE: HALL OF GUINNESS

DATE: January 3<sup>rd</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	HF02 007	Fire Impact Assessment of Flammable Fuel Storage in Heat Treatment Plant Using Fire Dynamics Simulator <b>V.Inbarasan, A.K.Mariselvam, D.Thiruselvi, P.Karthik and S Sivanesan</b>
2	HF03 008	Study of Fire and Smoke Behaviour in a Commercial Building and Implementation of Evacuation Planning Procedure <b>D.Sivasankaran, A.K.Mariselvam, D. T.Amudha, V.Karthikeyan and S.Sivanesan</b>
3	HF05 046	A New Approach to Prevent (Process Initiated) Accidents in Hazardous Process Industries <b>T.Selvakumar and T.RameshBabu</b>
4	HF06 050	Automotive Braking System for Passenger Vehicle to Enhance Safety <b>C.Dineshkumar, Mohammed Shameer, Thariq Bilal and Saravanan</b>
5	HF17 148	Investigation of Stuck Pipe Problem in Oil Drilling Process Using Fault Tree Analysis <b>Balaganesh Chandran and Gowri Rajagopal</b>
6	HF20 168	Ranking and Prioritising the Human Factors Using Fuzzy - TOPSIS for Nuclear Power Plants <b>M.Karthick, V.S.Sunitha, T.Paul Robert, C.Senthil Kumar</b>
7	HF21 169	A Review on Risk Assessment in Software Projects <b>S.K.Kumaran, Somasudram and R.Dillibabu</b>
8	HF22 188	Human Error Probability Estimation Methods for Safety Critical Applications - A Comparative Assessment <b>M.Karthick, C.Senthil Kumar, T.Paul Robert</b>
9	QE38 196	A Rational Tool to Measure Architectural Design Quality – A Case of Housing, Chennai City <b>M.Elango</b>
10	GE32 115	Optimisation of Tribological Parameters on Aluminium Based Metal Matrix Composites Using Accelerated Life Testing Methodology <b>R.Santhosh Kumar, S.Dhandabani, R.Jayaseeni Vasanthan, D.Lokesh and A.Gnanavelbabu</b>
11	GE48 201	Resource efficiency - Inspiration from 'Honey Bee Hives' <b>M.Elango</b>
12	QM42 203	Stochastic Analysis of a Non-Markovian Retrial Queue with Unreliable Server, Optional Service and Single Vacation <b>D.Arivudainambi and M.Gowsalya</b>

## TECHNICAL SESSION 01: SUPPLY CHAIN - I

### VENUE: TAG AUDITORIUM

DATE: January 3<sup>rd</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	SC11 079	Financial Time Series Clustering of Indian Manufacturing Organization's Stock Price Data Using Expectation Maximization Algorithm <b>N.Ayyanathan and A.Shilpa Periyanyaki</b>
2	SC18 121	An Overview of RFID Technology Applications and Diffusion in Supply Chain Management <b>Videsh Desingh and R.Baskaran</b>
3	SC24 166	An Integrated Fuzzy DEMATEL - TOPSIS Approach for Operational and Financial Performance for South Indian Major Ports <b>C.Gayathri and V.Kamala</b>
4	SC25 172	Demand Prediction in Supply Chain Management using Geo-Social Factors <b>Janani Krishnamurthy and M.R.Sumalatha</b>
5	SC26 174	Big Data Driven Supply Chain Management in Sugarcane Industry <b>K.Kaviya, G.V.Ajay Seshatthri and M.R.Sumalatha</b>
6	SC27 175	Intelligent Transport System Using VANET for Emergency Medical Services <b>N.Srivatsan, R.Kavinraj, N.S. Praveen Raghav and M.R.Sumalatha</b>
7	SC28 176	Reducing Waiting Time of Commercial Trucks Across State Borders in South India <b>S.Vasanthraj and M.Rajmohan</b>
8	SC29 183	Application of Lean Sourcing for Improving the Supply Chain Process of Original Equipment Manufacturers <b>P.Amirtha Ganesh, B.Madan and M.Rajmohan</b>
9	SC30 192	Prioritization of Major Barriers In Implementing Green Supply Chain Management Concepts In South Indian Construction Industries <b>V.Prakashraj and M.Rajmohan</b>
10	HF23 193	Evaluation of Asset Integrity Management Model on Safety Performance in a Metal Smelting Industry <b>Rekha Sharma and Pratheeba Paul</b>
11	PP16 177	Construction Schedule Management based on BIM Technology <b>V.S.Aashly, J.S.Lekshmi, Muktha Rose Gimmy, Sandra G Raj, Pradeep Kumar</b>

## TECHNICAL SESSION 02: QUANTITATIVE METHODS – I

### VENUE: TAG AUDITORIUM

DATE: January 4<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	QM02 006	Balanced and Partially Balanced Treatment Incomplete Block Design <b>K.Saravanan</b>
2	QM09 024	Reclamation of Foundry Core Sand by Adapting Green Manufacturing to Reduce the Environmental Pollution <b>P.Kumar and N.Mohandas Gandhi</b>
3	QM13 042	Important Optimality of N-Ary Block Designs Under Heteroscedastic Models <b>K.Saravanan</b>
4	QM17 073	Robust Design of Medical Devices Using Design of Experiments <b>S.Senthil Gavaskar, S.Senthil kumar and I.Muthukumaran</b>
5	QM18 074	Multi Objective Optimization of Turning Parameters of Al-Cu/Tib <sub>2</sub> In-Situ Metal Matrix Composites Using Grey Relational Analysis, Genetic Algorithm and ANOVA <b>D.Senthil Kumar</b>
6	QM19 089	Optimization of CO <sub>2</sub> Laser Welding Parameters for Welding of Dissimilar Materials Using Taguchi L <sub>9</sub> Orthogonal Array Coupled with Grey Relational Analysis <b>M.P.Prabakaran and G.R.Kannan</b>
7	QM20 093	Prediction System for Investigating Process Parameters on Dry sliding Wear of Self-lubricating Metal Matrix Composites <b>A.Anandha Moorthy, E.Prakash, S.Madheswaran and G.Senthilkumar</b>
8	QM22 104	Studies for Optimization of Blasting Parameters in Indian Limestone Mines Using Response Surface Methodology <b>P.Balamadeswaran, C.R.Deepak, Arvind K Mishra and Phalguni Sen</b>
9	QM25 119	Optimal Design of Water Distribution Network Using Particle Swarm Optimisation <b>M.Harini and R.Baskaran</b>
10	QM29 139	Analyzing the Effect of Cutting Oil Concentration and Machining Parameters on Tool Wear, Surface Roughness and Hardness of CNC Machine Turned surface using Taguchi Method <b>T.Prabaharan and B.Saravanan</b>

## TECHNICAL SESSION 02: GENERAL ENGINEERING – I

VENUE: AU – TVS HALL

DATE: January 4<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	GE10 026	Dispersion Modelling of NO <sub>x</sub> Concentration in the Vicinity of Ultratech Cement Industry Using AERMOD Software <b>S.Anand Kumar Varma, M.Harish and C.M.Kirubha Sankar</b>
2	GE12 043	Smart Grid Technologies Utilization towards Effective Energy Conservation <b>S. K. Doifode, and Ashok G. Matani</b>
3	GE13 044	Industrial Waste Utilization as Resources Inventory in Indian Manufacturing Systems <b>S. K. Doifode and Ashok G. Matani</b>
4	GE14 052	Cardiac Pulse Sensitive of On-Board Diagnosis Monitoring System for Automobile <b>C.Dineshkumar, S.Jhasim, Mohammed Maseehullah and Mansoor Syed</b>
5	GE15 056	Key Based Spatio-Temporal Access Control Model for Cloud Databases <b>B.Senthilnayaki and A.Kannan</b>
6	GE16 059	Correlation of Test Bench with Actual Vehicle Condition of Indian Commercial Passenger Cars <b>M.A.Sai Balaji, A.Baskar, A.Sai Priya, Md Javeed Ahmed and B.Suryarajan</b>
7	GE19 070	Design and Fabrication of Automatic Sand Sieving Machine <b>M.Muthukannan, G.Balamurugan, S.Saravanakumar and V.Ganeshmoorthy</b>
8	GE43 167	Design and Development of Apparel Product from Bamboo Cotton Blend <b>M.D.Jothilinkam and T.Ramachandran</b>
9	PP17 179	GWO Metaheuristic Method Used to Minimization of Makespan by Identical Parallel Machine Scheduling Problem Compared with GA <b>K.Somasundaram, M. Saravanan and B.K.Vikneshkannan</b>
10	QM36 180	Intelligent Retinal Analysis System for Health Care Industry Towards Diagnosis of Retinal Diseases <b>R.GeethaRamani, J.Jeslin Shanthamalar and B.Lakshmi</b>

## TECHNICAL SESSION 02: SUPPLY CHAIN – II

### VENUE: PAARI ARANGAM

DATE: January 4<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	SC02 029	Modular Package Design – A Sustainable Solution for Variable Product Sizes in a Product Family <b>J.Marshal Louie and B.Kumar</b>
2	SC03 030	Design of Agile Supply Chain Model for Footwear Industry <b>Abdul Kadar</b>
3	SC04 032	To Role of Bullwhip Effect to Improve the Performance of the Supply Chain and Illustration with Balanced Score Card <b>T.V.S. Raghavendra</b>
4	SC05 035	A Genetic Algorithm based Approach to find the Best Base Stock Levels and Review Periods for a Serial Supply Chain with Lost Sales and Virtual Backlog <b>R.Rajasekaran, A.Pal Pandi, D.Gopi and K.P.Paranitharan</b>
5	SC17 117	Modeling the Barriers for Adoption of Lean and Green Practices: A Case from India <b>B.Lokesh Prabhuraj, S.Lalith Kishorr and A.Gnanavelbabu</b>
6	SC32 198	Wellness Programs and Engagement of IT Workforce <b>M. John Britto and R. Magesh</b>
7	SC33 199	Library Book Management System (LBMS) – Mobile Application Using WiFi Positioning System <b>G.Bhuvaneswari, S.Monisha and M.R.Sumalatha</b>
8	QM43 205	Camp Site Selection For Operational Efficiency In Special Task Force [STF], Tamilnadu <b>Shankar Jiwal and R.Dilli Babu</b>
9	GE45 181	Complexity Leadership: A Leadership Style for New Era <b>K.Akhil Sankar and P.V.R.Nandakishore</b>
10	GE47 186	Carbon-di-Oxide Sequestration in Cementitious Material for Sustainable Construction - A Mitigation Measure to Reduce Global Warming <b>M.Jothilingam and Pratheeba Paul</b>

## TECHNICAL SESSION 02: HUMAN FACTORS - II

### VENUE: HALL OF GUINNESS

DATE: January 4<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	HF01 004	Hazard Identification and Risk Assessment in Milk Industry <b>S.P.Selvabharathi, V.M.Sivakumar and M.Thirumarimurugan</b>
2	HF04 045	Optimizing Production Layout in Small and Medium Scale Industry to Minimize Intra-Plant Transportation: A Case Study <b>Ashok G. Matani, S.K.Doifode and A.D.Bhishnurkar</b>
3	HF07 051	Design of Workplace in Assembly Unit Using Ergonomic Principles <b>V.Arun and V.Manivel Muralidaran</b>
4	HF09 086	Risk Management in Production, Treatment and their Disposal of Oil Field Produced Water <b>P. Rajagopal, K.Muthukumar and M. Velan</b>
5	HF11 108	A Multilevel Risk Breakdown Structure for Drilling Process Disruption Risk for Facilitating Risk Management <b>Gowri Rajagopal and Raju Ramasamy</b>
6	HF12 109	Prevalence of Musculoskeletal Disorders and Occupational Risk Factors Among Building Painters in South India <b>M.Shanmugam, B.K.Gnanavel</b>
7	HF14 127	Techniques and Strategies Minimizing Vehicular Road Accidents Towards Human Safety <b>Ashok G. Matani and Premesh P. Bhatkar</b>
8	HF15 144	Intelligent Health Care System for Neurological Disorder Prediction Through Brain Connectome / Network Analysis <b>R.Geetha Ramani, R.Sahayamary Jabarani and D.George Washington</b>
9	HF18 151	Ergonomic Design to Reduce the Physiological Effects on Bus Drivers <b>S.Marthandam, K.Padmanabhan Panchu and V.Kamala</b>
10	HF19 165	Improving Productivity Through Ergonomic Study <b>N.Arunachalam, U.Pradeep and V.Kamala</b>

## TECHNICAL SESSION 03: PRODCUTION PLANNING - I

### VENUE: PAARI ARANGAM

DATE: January 4<sup>th</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	PP02 010	A Multivariate Analysis in Break Even and Total Productivity Measures A Management Perspective in Textile fabric industry <b>Sivakumar Annamalai, N.Bagath Singh, Jeevetha Thirunavukkarasu and S.Saravanakumar</b>
2	PP09 062	A Bi-Objective Manufacturing Cell Design Model using Genetic Algorithm <b>C.R.Shiyas, B.Radhika and G.R.Vineetha</b>
3	PP11 080	Development of PLC Based Pneumatic Articulated Robot for Sorting Operations <b>B.Ramkumar, R.Ramesh, K.Venkatesh, S.Valai Ganesh and S.Rajakarunakaran</b>
4	PP12 102	Complete Similarity Measure Mathematical Model for Cell Layout Design <b>S.Ramesh, N.Arunkumar and R.Vijayaraj</b>
5	PP14 131	Pick by Vision in Inventory and Material Management in Comparative with Pick by Light and Pick by Voice <b>S.A.Summi and S.Umamaheswari</b>
6	PP15 133	Cost Optimisation on Inventory in a Manufacturing Company <b>G.Anandh, T.Paul Robert and V.Ganesh</b>
7	PP18 191	Disruptive Innovation as a Sustainable and Competitive Business Strategy – The Case of Indian Low Cost Carriers <b>C.Madhusudan and R.Panneerselvam</b>
8	GE40 146	Study on Usability of Road Traffic Signals in Kottayam <b>N.Suhana, D.R.Gowri and R.Rajesh</b>
9	GE41 154	Consumer Perception Towards Different Modes of Cashless Transaction <b>S.B.Arun and V.Varun Raj</b>
10	GE44 178	Optimized Power Allocation for NOMA Based 5G Networks <b>Anncaroline Jenifer</b>
11	SC19 141	Evolution and Need for Hybrid Cloud ERP – Literature Review <b>N.Anvarali Shahul Hameed, R.Baskaran and A.K.Sheik Manzoor</b>

## TECHNICAL SESSION 03: QUALITY ENGINEERING – II

### VENUE: TAG AUDITORIUM

DATE: January 4<sup>th</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. No	PAPER CODE	TITLE OF THE PAPER
1	QE02 039	Application of Kano, Lean and FMEA Model in Feed Products - A Review <b>L.Sudha and L. Hansa Lysander Manohar</b>
2	QE03 047	Introduction of Industrial Engineering in Cottage Industries: A Case Study <b>L.R.Chandru and V.Thanabal</b>
3	QE04 063	Lean Manufacturing Principle Applications in Manufacturing Industry- Value Stream Mapping Tool <b>S.Mahendran and A.Senthil Kumar</b>
4	QE06 067	Approximation of Two Dimensional Availability Function and Its Application <b>Y.Sarada and R. Shenbagama</b>
5	QE08 069	Application of DMAIC Methodology with TRIZ in Yarn Manufacturing <b>V.R.Muruganatham, P.Muraleedharan, K.K.Arun and R.Sedhu Siddarth</b>
6	QE11 078	Computation of the Reliability of Automotive Electronic Power Devices <b>S.Balaji</b>
7	QE12 083	Improving In-house Rejection Rate of Rack Housings through TQM Adopting Quality Control Circle Activity: A Case Study <b>Pardeep Gupta and Ankesh Mittal</b>
8	QE13 084	A Study on the Development and Implementation of Planned Maintenance Pillar of TPM to Reduce Breakdown Losses <b>Pardeep Gupta and Sachit Vardhan</b>
9	QE14 087	A Review of Literatures on Hybrid Software Reliability Models <b>P.Govindasamy and R.Dillibabu</b>
10	QE29 156	A Review on Current Practices of Parameter Estimation of Software Reliability Growth Models (SRGMs) <b>P.Govindasamy and R.Dillibabu</b>
11	QE32 163	Reduction of Cycle time in Fabrication of Pressure Vessel for Compressors Using Lean Tools and Techniques <b>M.Suresh, M.Raguramsingh and R.Harikrishnan</b>

## TECHNICAL SESSION 03: GENERAL ENGINEERING – II

VENUE: AU – TVS HALL

DATE: January 4<sup>th</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	GE17 060	Execution of Autonomous Vehicle to Detect Cracks in the Railway Tracks <b>C.Ashwin, R.Easwar and P.Vidhushini</b>
2	GE21 076	Hybrid Windmill Turbines with Perpetual Motion Machines for Enhanced Efficiencies at Low Wind Speeds <b>R.Ranga Raj, M.Narayanan and M.Hariharan</b>
3	GE22 081	Design and Analysis of New Combined Braking System for Two wheelers <b>V.Deepan, M.Fareeth Aslam, V.Mohan Raj and P.Jayesh Pradhyumna</b>
4	GE25 091	Standardisation of Product Data Functionalities for Automation in Construction Industry <b>Sam George and K.David</b>
5	GE26 092	Fusion Bonded Epoxy Resin Coating to Resist Corrosion in Submerged Pumps <b>A.Rajkumar, R.Ranga Raj and S.Ezhil Nilavan</b>
6	GE34 124	Maritime Border Monitoring using Geo-Fencing <b>R.Geetha Ramani, V.Sudhan Dhakshneswaran and V.Rajhashimma</b>
7	GE35 125	Analytical Investigation on Study of CFS Tubular Columns with BFRP Wrapping Under Axial Load <b>S.Balasubramanian, J.Jegan, M.C.Sundarraja and J.Abbas Mohaideen</b>
8	GE36 126	Emotional Intelligence for Developing Leadership Competence <b>Suganya Sivanesan and S.Joyce</b>
9	GE50 204	Rudimentary Design of LLL Windshield Retriever <b>S.Jaya Surya, M.Prahava Vishnu and A.Gnanavelbabu</b>
10	SC08 054	Relationship among Tax Revenue, Gross Domestic Production and Budget Deficit in Developing Country: A Case in Sri Lanka <b>V.Anojan and B.Nimalathan</b>
11	SC34 206	Mobile based Asset Mapping by Crowdsourcing Approach in Thiruvannamalai District, Tamil Nadu, India <b>M.Sivakumar, M.Navamuniyammal and R.Vidhya</b>
12	QM32 160	Modeling and Forecasting of Insurance System in India <b>TR.Kalai Lakshmi, R.Kaja Bantha Navas, Chilamkurthi Veera Srikanth and Daggubati Sujay</b>

## TECHNICAL SESSION 03: SUPPLY CHAIN - II

VENUE: HALL OF GUINNESS

DATE: January 4<sup>th</sup> 2018

TIME: 2.30 p.m. to 4.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	SC09 057	Decoding the Strategic Organizational Disaster Risk Communication: A Study on the Internal Dimension of Crisis Management <b>Mahalakshmi Selvaraj and Sunitha Kuppuswamy</b>
2	SC10 066	A Warranty Approach for a Two Echelon Reverse Supply Chain with Uncertainties in Production Quantity, Demand and Collection Yield <b>Sarada Yedida and Sangeetha Sekar</b>
3	SC13 096	Determination of an Optimal Shipping Speed Considering Different Sea State to Reduce Carbon Footprint <b>Puneet Goel, P.Asokan and R.Jeyapaul</b>
4	SC16 112	An Analysis of NABARD Refinancing to Other Financial Institutions in India from 2015 to 2017 <b>V.R.Radhaakrishnan and V.M.Shenbagaraman</b>
5	SC20 143	A Decision Support Strategy for Jatropha Seed Collection for Biodiesel Making Through Graphical Approach <b>S.P.Srinivasan and G.Deenadayalan</b>
6	SC21 145	Literature Review of Applications of Business Intelligence, Business Analytics and Competitive Intelligence <b>Vikram Shende and R.Panneerselvam</b>
7	SC22 152	Design of Optimal Inventory Plan for Blood Supply Chain Using Data Analytics <b>S.Selvakumar, P.Shahabudeen and Sajan Varghese</b>
8	SC35 207	A Study of Crossover Operators of Genetic Algorithm & Development of New Crossover Operator to Solve Heterogeneous Vehicle Routing Problem with the Time Windows <b>Sachin Kumar Nagle and R.Panneerselvam</b>
9	GE46 182	Feasibility Analysis of Implementing Improved Laid Out Plans for Kodimatha Water Park in South India <b>S.Arsha Bhadra, Linto M George and George Kallarackal</b>
10	GE49 202	Experimental Investigation on Thermal Protection of Ceramic Coated GFRP Composites <b>T.Michel Raj and T.Paul Robert</b>
11	GE33 122	Fabrication of Metal Matrix Composite for Brake Drum: A Study of Tribological Properties <b>A.Manikandan and N.Parthipan</b>

## TECHNICAL SESSION 04: QUANTITATIVE METHODS – II

VENUE: AU – TVS HALL

DATE: January 5<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	QM03 009	In Pursuit of Opt Fuzzy Membership Function to Predict the Spatial Dataset in the Domain Expert Perception <b>Mehfooza Munavar and V.Pattabiraman</b>
2	QM11 031	Connecting Business Centers and Establishing Central Nodal Centre Considering Distance, Population and Real GDP as Weights using Weiszfeld Algorithm and Concept of Minimum Cost Spanning Tree - An Analysis <b>A.Baskar, M.A.Sai Balaji, N.Nithyanandhan and A.Krishnamoorthy</b>
3	QM12 041	Cutting Performance and Wear Mechanism of Ceramic Coated Cementite Carbide Cutting Inserts <b>A.Ravichandiran, K.Murali, S.Navaneetha Pandiyan and M.Palanivel</b>
4	QM16 072	Intelligent of Modern Manufacturing Techniques Used in Fuzzy Based Optimum Drilling Process in Stainless Steel Material <b>N.Parthipan and M.Ilangkumaran</b>
5	QM21 101	Investigations on Surface Roughness and Volumetric Shrinkage of Acute Angle Parts Fabricated with Fusion Deposition Modelling <b>Prakash Eswaran, Madheswaran Subramaniyan, Anandhamoorthy Appusamy, Rameshkumar Tirupathi, Sivakumar Karuppan</b>
6	QM24 118	Multiple Robot Path Planning Algorithms for Static Environment and Dynamic Environment: A Review <b>K.Rajchandar, R.Baskaran and K.Padmanabhan Panchu</b>
7	QM28 136	Computation Offloading as a Service Based on Context Aware Approach in Mobile Cloud Computing <b>S.Nagasundari and G.V.Uma</b>
8	QM30 149	Experimental Study on Sand Casting Process for Improving Quality of Sand <b>M.Shanmugaraja and T.Tharoon</b>
9	QM33 162	Analysis and Optimization of Queueing Systems in Airports – Discrete Event Simulation <b>K.Jayakrishna, Rishabh Jain, Hrishikesh Bedekar and V.Kamala</b>
10	QM41 200	Prioritisation of Unsafe Acts Contributing to Human Failure in Petroleum Drilling Process Using Multi Criteria Decision Making Techniques <b>R.Robert Johnson, Gowri Rajagopal and M.Rajmohan</b>

## TECHNICAL SESSION 04: PRODCUTION PLANNING - II

### VENUE: TAG AUDITORIUM

DATE: January 5<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	PP03 028	State of the Art Research in Additive Manufacturing Processes <b>R. Karthikeyan and P. Pitchipoo</b>
2	PP05 034	An Empirical Study on Healthcare Establishments through Integrated Approach <b>D.Gopi, A.Pal Pandi, T.Ramesh Babu, K.P.Paranitharan and R.Rajasekaran</b>
3	PP06 036	Smart and Sustainable Manufacturing Systems Practice in Manufacturing Industry: A Structured Review <b>S P.Dhilipan, A.Pal Pandi, K.P.Paranitharan and D.Gopi</b>
4	PP07 038	Analysis of the Assembly line for the Automation of Globe Valve Manufacturing <b>P.Parthiban, G.Sundararaj and P.Maniarasan</b>
5	PP08 049	Productivity Improvement by Lead Time Reduction in Foundry through Value Stream Mapping Technique <b>K.Manikanda Prasath and S.Vignesh</b>
6	GE29 100	Energy Optimization in Multi-hop Wireless Sensor Network <b>M.C.Geoffrine Judith and D.Mary</b>
7	GE37 130	Performance Improvement of Elastic Washer in Clutch Disc <b>S.Vignesh, B.Mohan and Anantharaman Sriraman</b>
8	GE39 137	Surface Integrity Analysis of Machining AISI 304 Stainless Steel with MQL Technique <b>R.Vishal, G.Manimaran and K.Nimel Ross</b>
9	QM23 116	Development of Navigation System for CEG Campus Using Dijkstra Algorithm <b>P.Dhivakar, B.Elavarasu Kandavel, R.G.Hariraj Vasanthyaa, A.Surya and A.Gnanavelbabu</b>
10	HF16 147	Standard Task Duration Calculation and Ergonomic Analysis of Human Jack in Engine Assembly <b>G.Deenadayalan and S.P.Srinivasan</b>

## TECHNICAL SESSION 04: QUALITY ENGINEERING – III

VENUE: HALL OF GUINNESS

DATE: January 5<sup>th</sup> 2018

TIME: 10.30 a.m. to 12.30 p.m.

S. NO	PAPER CODE	TITLE OF THE PAPER
1	QE01 037	A Study on Application of Lean Six Sigma Techniques to Optimise the Assembly Process for a Pump Manufacturing Unit in Coimbatore <b>V.Kannan</b>
2	QE05 064	Application of RBM Strategy to Enhance the Productivity in an Induction Furnace in a Casting Industry <b>S.Balamurugan and T.R.Sukumar</b>
3	QE07 068	Lead Time Reduction in Rotor Manufacturing Process through Value Stream Mapping <b>A.P.Arun, S.Arjun Krishna and Veeraparthiban</b>
4	QE10 077	DMAIC Approach in Crusher Plate Manufacturing to Improve Productivity <b>R.Sedhu Siddarth, V.Manivel Muralidaran, V.Arun and P.Muraleedharan</b>
5	QE15 090	A Review of an Integrated Approach Model of Kano and Process FMEA towards Software Products <b>K.A.Somasundaram and R.Dillibabu</b>
6	QE17 098	A Conceptual Model Connecting TQM Factors and Organizational Performance for Indian Construction Industries <b>K.V.Arathi, M.P.Sajan and P.Pradeep Kumar</b>
7	QE21 129	Improvement in Quality Control of Clutch Disc Assembly in an Automotive Industry <b>Suresh Ram Thangavel, K.Thirumavalavan and Anantharaman Sriraman</b>
8	QE23 134	Increasing Productivity by Reducing Cycle time in Assembly Line Using Lean Techniques <b>Vetrivel Venkatesan</b>
9	QE34 170	Analyzing Critical Constructs of Service Quality in Retail Outlets <b>P.Karuppuchamy</b>
10	QE37 195	Increasing the Productivity of Crankshaft Manufacturing by Reducing the Cycle Time through Value Stream Mapping <b>V.Karthik and N.Jawahar</b>