

Dr. Syed Mehmood Hasan

Assistant Professor – IMD

(Currently on Foreign Service Leave)

Lecturer of Digital Engineering Management at Royal Holloway University of London (RHUL)

Room No. 103, IM building

syedhasan@neduet.edu.pk; syed.hasan@rhul.ac.uk; syed.m.hasan@hotmail.co.uk

Telephone: (92-21) 99261261-8 Ext: 2361

Mobile: (WhatsApp) (+92 320 2200115)

Personal Details

Gender: Male

Nationality: Pakistani

Web of Science Researcher ID: O-3364-2013

Research Gate: <https://orcid.org/0000-0003-4799-2054>

LinkedIn: www.linkein.com/in/drsmhasan

Career Objective

Seeking a challenging role in the field of training and teaching where my education and experience will help to improve and achieve the best in the organization.

Awards and Accomplishments

- Course Director of MSc Engineering Management and MSc Project Management at Royal Holloway University of London.
- Module Leader of MSc Dissertation for 4 Courses of MSc in Engineering and Operations Management Unit at London Graduate School Campus of RHUL.
- Chair of Departmental Research Ethics Committee at RHUL.
- Received a funding of **PKR 6.42 million equivalent to GBP 29,000** under the National Research Program (NRPU) for Universities by HEC Pakistan in Jan 2022 for a research project in the field of Supply Chain.
- Attended Pakistan Engineering Council's first ever Training for Program Evaluators in 2019 and got status of Certified Program Evaluator.
- Study Tour to United Kingdom, European Union and Middle East by British Council Pakistan in the field of Business Incubation Management in April-May 2017.
- Focal Person to Establish Technology Innovation Support Centre (TISC) by HEC in Office of Research Innovation and Commercialization (ORIC) – NEDUET in 2017. NED been selected among 12 best universities to hold these centers.
- Established and lead as the Director: Centre of Innovation, Entrepreneurship, Technology Incubation and Commercialization (CINETIC) – NED's Incubation Centre in 2016. Brought a funding of **PKR 11 million equivalent to GBP 35,000** from HEC and being the first public sector university in Sindh – Pakistan to establish this.
- Established and lead as the Director of Maker Studio – 3D printing facility: First time in any Public Sector University of Pakistan in 2016. Brought a funding of **USD 10,000** for 3D printers.
- Invited by US Government - Department of Commerce through Commercial Law Development Program (CLDP) to attend training of Association of University Technology Manager (AUTM 2016) in San Diego, California – USA in Feb 2016.
- Invited by Australian Government and Received Australian Award Short Course for 5 weeks in The University of Queensland, Brisbane – Australia in Nov-Dec 2015.

- Brought and managed the funding of **PKR 30 million equivalent to GBP 95,000** for new building of ORIC and CINETIC from Philanthropist.
- Established and lead as the Director of Office of Research Innovation and Commercialization (ORIC) in NEDUET since 2013.
- Established and Lead as the Faculty In-charge of NED Entrepreneurship Society (NES) to create entrepreneurial eco-system in NED UET.
- Focal Person to hold TEDx in NED University for 2015, 2016 and 2017.
- PhD Scholarship through Faculty Development Program of NED UET to study in University of Greenwich, London – United Kingdom in 2009 in the field of Strategic Management side of Supply Chain.
- Introduced, established and lead as a Faculty In-charge the Society of Manufacturing Engineer (SME) in 2007.
- Received partial Commonwealth Scholarship while doing M.Sc. in University of Greenwich, London – United Kingdom in the field of Engineering Management in 2005.

Career & Experience

WORK EXPERIENCE

IN U.K:

NOV 2022 – UNTIL NOW

ROYAL HOLLOWAY UNIVERSITY OF LONDON

LECTURER OF DIGITAL ENGINEERING MANAGEMENT

Engineering Operations Management Unit

London Graduate School (EE-LGS)

Bedford Square London

Course Director MSc Project Management

Responsibilities:

- Teaching in PGT level.
- Module Leader for Research Methods for all MSc PGT Taught Courses.
- Module Leader for MSc Dissertation of all MSc PGT Taught Courses.
 - Restructure the whole module of Dissertation and aligned it with the new marking system.
 - Arranged supervisors for 200+ MSc students after engaging multiple Visiting Supervisors from Academia and Industry.
 - Liaison between students and all supervisors.
- Teaching Module of Global Engineering in Engineering Management Course
- Pastoral care for MSc students.
- Chair of Departmental Research Ethics Committee for EE – EPMS at Royal Holloway University of London.

OCT 2009- AUG 2013

UNIVERSITY OF GREENWICH

PhD Researcher – Centre for Innovative Product Development & Manufacturing (iPDM)

Researcher:

- Model and improve product development processes and enable effective communication and information sharing across the enterprise and its global suppliers and customers.

- Capture, represent, search and reuse engineering knowledge, including customer requirements, costing, engineering design, project planning, manufacturing capability, and maintenance and service knowledge.

Lecturer – Part Time

Taught Multiple modules:

- Advanced Principle of Supply Chain Management.
- Introduction to Business Management
- Principles of Project Management

NOV 2004- SEP 2006

2004 - 2005

Ford Motors Kent

Research Project Lean Manufacturing Implementation – Team Member

- Worked in a team to use Lean Manufacturing Tools and OEE

2005 - 2006

Cummins Power Generation – Kent.

Research Project Operations Management – Team Member

- Worked in a team to implement Value Stream Mapping tool in their production department.

2004-2006 BURGER KING (HEAD OFFICE)

Manager – Part Time

Responsibilities:

- Handling supply chain and inventory processing.
- Done Basic Management Course – All Modules.
- Developed safety policies and procedures.
- Managing weekly payroll
- Producing & delegating weekly sales forecast
- Managing cash and weekly banking
- Recruiting new team member staff

WORK EXPERIENCE

IN Pakistan:

APRIL 2007 – OCT 2022

N.E.D UNIVERSITY OF ENGINEERING & TECHNOLOGY

DEC 2017- DEC 2020

FOCAL PERSON TISC

FOCAL PERSON OF TECHNOLOGY INNOVATION AND SUPPORT CENTRE

- Signed MoU with Intellectual Property Organization (IPO), World Intellectual Property Organization (WIPO) and Higher Education Commission (HEC) Pakistan for establishment of Resource Centre in NEDUET Karachi for all patent and prior searching facility.

JUN 2015–JUNE 2017

DIRECTOR - CENTRE OF INNOVATION, ENTREPRENEURSHIP, TECHNOLOGY INCUBATION AND COMMERCIALIZATION (CINETIC)

- Managing Start-up Companies: 10 in 2015; 12 in 2016 and 12 in 2017.

- Managing Campus Run Companies in NEDUET: 1 in 2015; 3 in 2016 and 3 in 2017.
- Looks after all the promotion of CINETIC – ORIC in print media; social media; tv channels.
- Done different MoUs with multiple organizations like; British Council Pakistan, CIRCLE etc.

JUN 2015–MAR 2017

DIRECTOR MAKER STUDIO

MAKER STUDIO – 3D PRINTING FACILITY

- Established and Managed Maker Studio – A replica of MIT Fab Lab where ideas can be converted into prototypes.
- Supported multiple research projects in 3D printing services.

DIRECTOR – OFFICE OF RESEARCH INNOVATION & COMMERCIALIZATION (ORIC)

DEC 2013 – DEC 2020

Experience:

- Heading a team to establish NED’s Business Incubation Centre – CINETIC (Centre of Innovation, Entrepreneurship, Technology Incubation & Commercialization)
- Working to streamline NED research output in line with International Standards
- Heading a team to establish NED’s Multi-Disciplinary Innovation Lab – Maker Studio
- Manage and enhance the University’s research activities
- Developed research policies and priorities such as Intellectual Property Policy & Research Collaboration Policy.
- Working in team developing NED’s Research Eco-System.
- Serve as an effective advocate for research within the University and liaise with the community of stakeholders and supporters.
- Focal Person – DICE Chapter specifically Virtual Innovation Competition.
- Focal Person – DICE Health.

FACULTY IN CHARGE – NED ENTREPRENEURSHIP SOCIETY (NES)

AUG 2013 – DEC 2020

Experience:

- Heading a team to establish and foster entrepreneurship culture in NED.
- Organized number of events in NED
- Supporting local entrepreneurs to establish business

ASST PROFESSOR – INDUSTRIAL & MANUFACTURING ENGINEERING DEPARTMENT.

APRIL 2007 – OCT 2022 – CURRENTLY ON FOREIGN SERVICE LEAVE

Departmental Experience:

- Faculty In charge – SME NED Chapter (Aug 2013 – March 2015)
- Introduce & develop complete program with all electives course outlines of MEM – Supply Chain Management
- Worked in Team to develop BS – Management Science program and developed complete course outlines of supply chain specialization with partial working in marketing too.
- Part of a team to streamline department courses in accordance with HEC & PEC guidelines.
- Corporate and Students trainings
- Consulting Industrial Project: Cold Supply Chain Management with Nestle Pakistan and Pakistan Agricultural Society.
- Taught PEC - CPD Lecture on Organizational System and Change Management in DHA Suffa in March 2017.
- Taught PEC - CPD Lecture on Entrepreneurial Eco-System in UIT in Dec 2017.
- Project Coordinator for Final Year Projects in 2008 & 2009

- Class Advisor Final Year Industrial & Manufacturing Department. (2008)
- Student Advisor – ASME NED Chapter (Nov 2007 – Oct 2009)
- Introduce, established, and run first local chapter of SME in Pakistan (July 2007 – Oct 2009)

Teaching in Undergraduate:

- Production Management.
- Operations Research.
- Supply Chain Management
- Project Management
- Supply Planning and Inventory Control
- Method Engineering.
- Management Information System.

Teaching in Postgraduate:

- Advanced Principles of SCM & Logistics (PhD Module)
- Technology Process Evaluation and Diagnosis (PhD Module)
- Supply Chain Performance Evaluation (PhD Module)
- Product Development in Extended Enterprise (PhD Module)
- Science of Organizational Behavior (PhD Module)
- Forecasting and Optimizing Technique (PhD Module)
- Supply Chain Management.
- Organizational System
- Project Management
- Strategic Management & Decision Making

Institute Of Business Management - CBM

July 2021 – Sep 2022 and Dec 2007 – Aug 2009

Visiting Faculty member in Industrial Management Department

Teaching MBA modules:

- Manufacturing Strategies.
- Supply Chain Management.
- Basic Machine Design.
- Production Management.
- Project Management.

Industrial Experience in Pakistan:

British Oxygen Company (BOC Pakistan Ltd.)

Mechanical Engineer July 2004 – October 2004

- Responsible for the safe operation of the Karachi plant as well as evaluating the safety of BOC plants throughout Pakistan.
- Developed safety policies and procedures with the goal of reducing risk and increasing quality and production.
- Applied basic principles of industrial safety and environment for operational excellence through the standardization of solutions and implementation of a problem-solving work culture.
- My training period was reduced from 6 to 3 months and was appointed as a Mechanical Engineer on a fast-track basis.

BeltexCo. (pvt.) Ltd.

Trainee Mechanical Engineer March 2004 – June 2004

- Was a member of the ISO certification implementation team.
- Supported manufacturing operations of the knitting plant.

- Created and checked the supervisors and labors shift system.
- Participated in the implementation a problem-solving work culture.

Pakistan Machine Tool Factory

Internee

June 2002 – July 2002

During my 6-week internship, I gained experience in several departments such as casting, forging, production planning and control, tool design, quality, machine shop, design and drafting etc.

Qualification

- 2016 Commercial Law Development Program (CLDP) – US Department of Commerce
Training of Association of University Technology Manager (AUTM 2016)
Feb 2016
San Diego – California, USA
- 2015 Australia Award
Short Course on “Business Incubation Management”
Nov – Dec 2015
University of Queensland, Brisbane - Australia
- 2013 Ph.D.
Strategic side of Supply Chain Management Research Project
Integration of Product Development and Strategic Supply Chain Management
University of Greenwich (Medway Campus) London - UK
- 2006 M.Sc. Engineering Management
Specialization in Supply Chain Management
University of Greenwich, (Medway Campus) London - U.K.
- 2003 B.E. Industrial and Manufacturing Engineering
NED University of Engineering and Technology, Karachi - Pakistan

Research Projects

Supervisory Research Projects Experience:

PhD Level: (Currently Only)

- PhD in the field of supply chain management (Jan 2019-until now), titled “To investigate the effect of operational risk associated with supply chain quality management on the performance of the organization”.
- PhD in the field of supply chain management (Jan 2020-until now), titled “Development of Resilient Supply Chain Framework by Identifying Critical Success Factors within a Complex Chain of Risks in Businesses”.

Masters Level: (Most Notable in Last 5 years only)

- ISP in the field of Supply Chain Management (Jan 2020 – Jan 2021), titled: “Improvement of Supply Chain Performance Drivers”.
- ISP in the field of Logistics Management (Jan 2019 – Jan 2020), titled: “Comparison of Rail vs Road Transportation in the Context of DP World Port Qasim to Dry Port”.
- ISP in the field of Lean Manufacturing (Jan 2019 – Jan 2020), titled: “Application of Lean Transformation to Improve Supply Chain Performance in a Pharmaceutical Industry”.
- ISP in the field of Supply Chain Management (Jan 2019 – Jan 2020), titled: “Impact of ERP adoption and utilization on Supply Chain Performance in Pakistan”.

- ISP in the field of Supply Chain Management (Jan 2019 – Oct 2019), titled: “Framework Designing and Analysis of Risks associated with different segments of Supply Chain within an Organization and Measures to mitigate it”.
- ISP in the field of Supply Chain Management (Jan 2019 – Oct 2019), titled: “Framework development and Implementation of Supply Chain Performance Drivers used in Manufacturing Industry in Pakistan”.
- ISP in the field of Marketing Management (May 2018 – May 2019), titled: “Blue Ocean Strategy: Maximizing Opportunities while Minimizing Risks”.
- ISP in the field of Supply Chain Management (May 2018 – May 2019), titled: “Inventory Management Framework for Make-To-Stock Products”.
- ISP in the field of Operations Management (Jun 2015-Jan 2016), titled: “Designing/ Layout of a Special Warehouse for Oil and Gas Industry”.
- ISP in the field of Strategic Management (Jan 2015 – Jun 2015), titled: “To carry out analysis to achieve self-reliance in defense production through Indigenous Defense Production of Pakistan with a view to recommend a viable strategy framework”.

Enterprise support to Local Industry:

Industrial Support Projects: (List of Last 7 years only)

- 2021 titled: “Streamlining Sales and Operation Planning (S&OP) process in line with International standards in Pharmaceutical industry: using Lean Principles.”. (Martin Dow Pharmaceuticals)
- 2021 titled: “Optimizing end to end service, quality and cost of ice cream value chain in volatile times”’. (Unilever)
- 2021 titled: “Productivity improvement by streamlining maintenance activities through Lean manufacturing principles”’. (Siemens)
- 2021 titled: “Reduce Time to Market in Al-Karam Warehouse through Inventory Optimization”’. (Al-karam Textiles)
- 2021 titled: “Productivity improvement through lean tools”’. (Bari Textiles)
- 2021 titled: “Productivity Enhancement of cutting department of Yunus textile”’. (Yunus Textiles)
- 2021 titled: “Lean inventory optimization at dalda foods pvt. Ltd.”. (Dalda Foods)
- 2021 titled: “Capacity evaluation of process equipment and productivity enhancement of three top selling products in a pharma industry by employing lean principles”’. (Martin Dow Pharmaceuticals)
- 2020 titled: “Milk run Supply Feasibility Study through 3rd Party Logistics”’. (Indus Motor Company – Toyota Corporation)
- 2020 titled: “Capacity Enhancement and man-power efficiency improvement of main body line.” (Indus Motor Company – Toyota Corporation)
- 2020 titled: “Productivity Improvement in a Fabric Industry”’. (Artistic Fabrics and Garments)
- 2020 titled: “Productivity Improvement through both line feeding and relay outting of chassis assembly line with line balancing”’. (HinoPak Motors)
- 2020 titled: “Lean Six-Sigma for Process Streamlining”’. (Artistics Milliners)
- 2020 titled: “To perform Value Stream Mapping to Optimize Budget, Expenses, Productivity, Manpower, Waste and Process Management”’. (Naveena Denim)
- 2020 titled: “Work Balancing of NXAir Assembly Line”’. (Siemens Pakistan)
- 2019 titled: “Productivity Improvement in Tablet Manufacturing Area of Macter International Ltd.”. (Macter Pharmaceuticals)
- 2019 titled: “Design Inventory and Logistics Management Control”’. (Artistic Milliners, Textiles)
- 2019 titled: “Process Flow Enhancement in Denim Manufacturing”’. (Artistic Milliners, Textiles)
- 2019 titled: “Reduction in Sales Return Value (Reverse Logistics)”’. (National Food Limited)
- 2019 titled: “Productivity Improvement of a Manufacturing Facility through Systematic Layout Planning”’. (Siemens Corporation)
- 2019 titled: “OEE Improvement of Newly Installed Blister Line”’. (GSK)

- 2019 titled: “To Increase overall equipment efficiency of a production line in Manufacturing Unit”. (GSK)
- 2019 titled: “Inventory Management System for Production Store”. (Artistic Milliners, Textiles)
- 2019 titled: “Waste Reduction in Packaging and Finishing area using lean tools in a Pharmaceutical Company”. (Abbott Laboratories)
- 2019 titled: “Feasibility Study, Analysis and Design of Both Sides Parts and Material Feeding System to Improve Overall Productivity”. (Hino Pak Motors)
- 2019 titled: “Inventory Control and Warehouse Management”. (Abbott Laboratories)
- 2019 titled: “Wet Management for Oil Depot”. (DP World)
- 2019 titled: “Development and Implementation of Procurement SOPs in Afroze Textile”. (Afroze Textiles)
- 2019 titled: “Optimization of Space for Finished Products (Finished Vehicle Parking) by Re-Laying out of Plant Structure or Building”. (Hino Pak Motors)
- 2019 titled: “Challenges of Procurement in the SUI SOUTHERN GAS COMPANY LTD (SSGC) and Developing New Strategies”. (SSGC)
- 2018 titled: “To Study Material Flow and Implement FIFO in warehouse”. (Al-Karam Textiles)
- 2018 titled: “Design of New Sub Assembly Area and Supply Mechanism of Assembled Parts to Main Assembly Line”. (Indus Motor Corporation)
- 2018 titled: “Lean Warehouse Management”. (Aspin Pharma)
- 2018 titled: “Reduction of Time to Market in Supply Chain”. (J.)
- 2018 titled: “Application of Lean Manufacturing Techniques/ Principles in order to save Logistics/Rack Storage Space for New Model Introduction”. (Indus Motor Corporation)
- 2018 titled: “Lean Activity at Third Party Manufacturing Setup within Supply Chain”. (Pakistan Cables)
- 2018 titled: “Value Stream Mapping of Tyre Assembly Shop”. (HinoPak Motors)
- 2018 titled: “Execution of Six Sigma Tool to Improve Overall Cost of Quality”. (Indus Motor Corporation)
- 2018 titled: “The Systematic Study of Assembly Process is to Identify Quality Risk via FMEA”. (Pak Suzuki)
- 2017 titled: “Implementation of Industrial Management Tools at the warehouse to control the inventory for smooth flow, cost saving & standardization of work.” (HinoPak Motors)
- 2017 titled: “Productivity Improvement through Lean Manufacturing Tools at the Welding Shop of Two-Wheeler Manufacturing Industry”. (Atlas Honda)
- 2017 titled: “To improve productivity by identifying the bottlenecks and reduce/eliminate all types of wastages which are occurring during the complete cycle of Axle assembly line”. (HinoPak Motors)
- 2017 titled: “To Propose a System for Conversion from 50 Kg Sacks to 500 Kg FIBC to National Foods Limited for their powder and recipe area at PQ Unit”. (National Foods Limited)
- 2017 titled: “Increase the Utilization of Final Confirmation Line using DMAIC Cycle”. (Indus Motor Corporation)
- 2017 titled: “To Determine Cost of Quality in an Automotive Industry”. (Indus Motor Corporation)
- 2016 titled: “Application of Multi-Criteria Decision Making in Ranking of Manufacturing System Criteria”. (Atlas Honda, HinoPak and Indus Motor Corporation)
- 2016 titled: “Supply Chain Management Performance Measurement Using SCMPI”. (Exxon Mobil Pakistan and Indus Motor Corporation)
- 2016 titled: “Using Lean Six Sigma in the improvements of Service Quality of Any Service Sector”. (Indus Motor Corporation)
- 2016 titled: “Process Improvement of a Manufacturing / Service firm via Lean Principles”. (Indus Motor Corporation)
- 2015 “Identify and analyze the key decision-making points in the phase of product development at the supplier’s end and manufacturer’s end integration with the manufacturing”. (Indus Motor Corporation)
- 2015 “Information flow identification within an extended enterprise throughout the supply chain”. (Indus Motor Corporation)

- 2015 “Identify business processes for service domain including network distribution, transportation techniques and inventory level”. (Indus Motor Corporation)
- 2015 “Enhancement of productivity of manufacturing firm through value stream mapping”. (Indus Motor Corporation)
- 2015 “Develop the functional requirements for manufacturing production system which includes location selection and routing for inventories”. (Indus Motor Corporation)

Publications

Recently Submitted Papers:

1. A. Rasheed, M. Khalili, **S. M. Hasan** & U. Hasan, “Increasing Overall Equipment Effectiveness (OEE) through Changeover Time reduction: A Pharmaceutical Case Carried through DMAIC Cycle” in International Journal of Industrial Engineering: Theory, Application and Practice (IJETAP).
2. A. Zaid, M. Anwar, **S. M. Hasan** & S. A. Khan, “Tracing Mechanism through Quick Response Codes to Control Returns in a Fast-Moving Consumer Goods Company”, in International Journal of Retail Distribution Management (IJRDM).
3. T. Mumtaz, **S. M. Hasan**, S. A. Khan & S. Shah, “The Impact of Supply Chain Management Practices on Firm Performance: An Empirical Study in an Emerging Economy”, submitted in International Journal of Industrial Engineering: Theory, Application and Practice (IJETAP).
4. T. Mumtaz, **S. M. Hasan**, A. Pirayesh & A. Jaegler, “The Influence of supply chain risk and supply chain internal integration on organizational performance”, submitted in International Journal of Production Economics (IJPE).
5. S. Khan, A. Hakim, **S. M. Hasan** and M. Anwar, “Identification of Lean Wastes in Packaging to Deliver Efficient Waste controlling techniques for a Pharmaceutical Industry” in International Journal of Manufacturing Technology and Management (IJMTM).
6. M. Kausar, M. Anwar, & **S. M. Hasan**, “Implementation of the Balanced Scorecard (BSC) in a refinery to achieve strategic targets”, in International Journal of Industrial Engineering: Theory, Application and Practice (IJETAP).
7. H. Kumar, **S. M. Hasan**, M. Anwar and S. Shah, “Analysing the quantitative aspect of lean implementation using discrete event simulation” in Engineering Management Journal.
8. M. Zaidi, **S. M. Hasan**, F. Altaf and S. Shah, “Framework Designing and Analysis of Risks Associated in Supply Chain within an Organization and Measures to Mitigate it” in European Journal of Industrial Engineering (EJIE).
9. M. Mehmood, A. Sehar, **S. M Hasan** and S. Shah, “Application of Lean Concept to streamline process flow in denim sector: A Case Analysis” in Engineering Management Journal.
10. **S. M. Hasan**, F. Maryum, M. Kausar and S. Shah, “Framework development & implementation of supply chain performance drivers used in manufacturing industry in a developing country”, in Supply Chain Management: An International Journal.

Notable Published Papers:

1. Research Paper in Journal of Industrial Integration and Management, May 2023, titled “External Supply Chain Operational Risk and Operational Performance. Mediating Role of Supply Chain Integration as DCV”.
2. Research paper in Engineering Management in Production Services, Feb 2023, titled “Exploring the critical success factors of a resilient supply chain”.
3. Research Paper in International Journal of Industrial Engineering and Management, Dec 2022, titled “Supply chain risk prioritization using AHP and framework development: A perspective of the automotive industry”.
4. Research Paper in International Journal of International Journal of Management Science and Engineering Management, Oct 2021, titled “Designing an integrated decision support system to link supply chain processes performance with time to market”. **IF 0.607**
5. Research Paper in International Journal of Business Performance and Supply Chain Modeling, Mar 2021, titled “A conceptual Framework to Integrate New Product

- Development and Supply Chain Management with Organizational Business Flow in an Extended Enterprise". **IF 0.243**
6. Research Paper in IEEE Transactions on Engineering Management, Feb 2021, titled "Critical Factors of Digital Supply Chains for Organizational Performance Improvement". **IF 6.146**
 7. Research Paper in International Journal of Modeling in Management, May 2018, titled: "Supply Chain Performance Measurement and Improvement System: A MCDA-DMAIC Methodology". **IF 0.434**
 8. Research Paper in International Journal of Modeling in Operations Management, July 2017, titled: "Linking Planning Strategies with Supply Chain in an Extended Environment; A Theoretical Approach".
 9. Research Paper in International Journal of Business Performance and Supply Chain Modeling, Dec 2017, titled: "Supply Chain Performance Improvement within Collaborative Product Development Environment". **IF 0.243**
 10. Research Paper in International Journal of Modelling in Operations Management, July 2017, titled: "Performance Analysis of Inventory Models, Distribution and Transportation Networks in Forward Supply Chain; A Theoretical Approach".
 11. Research Paper in 20th International Conference Circuits, System, Communications and Computers (CSCC) – July 2016, Greece, titled: "Procurement Practices in Project Based Manufacturing Environments".
 12. Research Paper in 20th International Conference Circuits, System, Communications and Computers (CSCC) – July 2016, Greece, titled: "Performance Improvement of Supply Chain within Product Development Environments".
 13. Research Paper in 20th International Conference Circuits, System, Communications and Computers (CSCC) – July 2016, Greece, titled: "Environmental Management Systems and Sustainability in SMEs".
 14. Research Paper in International Journal of Advanced Manufacturing Technology, 2016, titled: "Determination of Cutter-Head Geometry for the Face-Milling of Hypoid Gears". **IF 2.633**
 15. Research Paper in 19th International Conference Circuits, System, Communications and Computers (CSCC) – July 2015, Greece, titled: "Use of Business Competitions to Enhance Student Employability in Higher Education".
 16. Research Paper in Recent Advances in Educational Technologies: Proceedings of the 2015 International Conference on Education and Modern Educational Technologies (EMET 2015). Titled: "Use of business competitions to enhance student employability in Higher Education".
 17. Research Paper in 19th International Conference Circuits, System, Communications and Computers (CSCC) – July 2015, Greece, titled: "Influence of IT on Micro Enterprises to pursue Strategic Growth".
 18. Paper Accepted in 5th International Mechanical Engineering Congress – May 2015, Karachi – Pakistan, titled: "Determination of accurate machine-settings for the face milling of hypoid gears".
 19. Research Paper in 8th International Digital Enterprise Technology Conference – March 2014, Stuttgart – Germany and then selected for publication by Elsevier, titled: "An Integrated Decision-Making Framework for Automotive Product Development with the Supply Chain".
 20. Research Paper in International Conference on Emerging Trends in Engineering & Technology (ICETET'2013) Dec. 7-8, 2013, Patong Beach, PHUKET (Thailand), titled: "A Collaborative Framework for Product Development in Extended Enterprise".
 21. Research Paper in International Conference on Emerging Trends in Engineering & Technology (ICETET'2013) Dec. 7-8, 2013, Patong Beach, PHUKET (Thailand), titled: "An Accurate Cutter-head Geometry for the CNC Face milling of Hypoid Gears".
 22. Research Paper in 4th International Conference of Manufacturing Science and technology (ICMST) 2013 in Dubai – UAE and then selected for publication in Advanced Manufacturing Research Journal, titled: "An Overview of Change Management within Manufacturing Environment".
 23. Research Paper in 4th International Conference of Manufacturing Science and technology (ICMST) 2013 in Dubai – UAE and then selected for publication in Advanced Manufacturing

- Research Journal, titled: "Use of Process Modelling in Product Development Integration within Manufacturing Environment".
24. Research Paper in 11th International Conference of Manufacturing Research (ICMR) 2013 in Cranfield University – UK, titled: "A Collaboration Framework to Support Decision Making in New Product Development with the Supply Chain".
 25. Research Paper in 10th International Conference of Manufacturing Research (ICMR) 2012 in Aston University Birmingham, titled: "A Collaboration Framework for Product Development in Extended Enterprise".
 26. Research Abstract and Poster Presentation in 11th Engineering School UoG Research Conference in 2011, titled: "A Framework that Integrate Information/Knowledge Flow within Product Development Activities in the Extended Enterprise".
 27. Research Poster Presentation in the international conference on Interoperability for Enterprise Software and Applications 2010 in Coventry University.
 28. Research Abstract and Poster Presentation in 10th Engineering School UoG Research Conference 2010, titled: "A Framework that integrate information/knowledge flow within Product Development activities in the Extended Enterprise".

Memberships and Affiliations

- Reviewer in International Journal of Modeling in Operations Management (IJMOM).
- Reviewer in International Journal of Productivity and Quality Management (IJPQM).
- Reviewer in International Conference of Manufacturing Research (ICMR).
- Reviewer in International Journal of Supply Chain Management (IJSCM).
- Reviewer in International Journal of Industrial and Systems Engineering (IJISE).
- Reviewer in International Journal of Quality and Innovation (IJQI).
- Reviewer in International Institute of Engineers (IIE).
- Member of Pakistan Engineering Council (PEC).
- Member of Review Board of the Journal of Social Sciences and Interdisciplinary Research (JSSIR).
- Member of NED UET Senate 2014-2020
- Member of Alumni of Australian Award Scholarship for South-Asian Region.
- Member of Alumni of British Council.

Research Funding

- NRPU 2021. (6.42 million) - Framework Development and Risk Analysis of Logistics Network in Pakistan to make Supply Chains Network Resilient in the wake of Pandemic Crisis” project number 17045. – Principal Investigator.
- PHD (1.0 million) - To investigate the effect of operational risk associated with supply chain quality management on the performance of the organization.
- PHD (1.0 million) - Development of Resilient Supply Chain Framework by Identifying Critical Success Factors within a Complex Chain of Risks in Businesses.