

Dr. Syed Mehmood Hasan

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Personal Details

Gender : Male
Nationality : Pakistani
Research Gate :
LinkedIn :
URL :

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

- 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 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 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 Common Wealth Scholarship while doing M.Sc in University of Greenwich, London – United Kingdom in the field of Engineering Management in 2005.

Career & Experience

- Dec 2017-to date **NED University of Engineering and Technology, Karachi.**
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 **NED University of Engineering and Technology, Karachi.**
Director Centre of Innovation, Entrepreneurship, Technology Incubation and Commercialization
- 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 **NED University of Engineering and Technology, Karachi.**
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.
- Oct 2013-to date **NED University of Engineering and Technology, Karachi.**
Director ORIC Office of Research Innovation and Commercialization
- Manage National Research Program for University (NRPU)

in NED UET.

- Manage Technology Development Fund (TDF) in NEDUET.
- Manage Social Integration Outreach Program (SIOP).
- Manage Start-up Research Grant Program (SRGP).
- Managing Board of Review Meetings (University Level)
- Collecting, analyzing and managing University Level data of research, innovation and commercialization.
- Published Monthly e-newsletter named Synergy from December 2015 till July 2017.

2013-to date

Faculty In charge

NED University of Engineering and Technology, Karachi.

NED Entrepreneurship Society (NES)

- Focal Person of DICE – Student Chapter.
- Arranged DICE Virtual Innovation Competitions (VIC) for 4 consecutive years i.e. 2014-2017.
- Managing day to day routine events in NEDUET.

2007 – to date

Asst. Professor

NED University of Engineering and Technology, Karachi.

Department of Industrial and Manufacturing Engineering.

- Introduce & Developed 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.
- HEC Approved Supervisor
- Teaching Production Management, Operations Research, Supply Chain Management courses at undergraduate level.
- Teaching Organizational System, Supply Chain Management, and Strategic Management at Post- Graduate level.
- Taught multiple courses at PhD level.
- 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.
- Multiple administrative duties in department like; SME Faculty Advisor for 2007-2009 and 2013-2015, Project Coordinator for FYPs and Class Advisor etc.

- Part of a team to streamline department courses in accordance with HEC & PEC guidelines

DEC 2007–AUG 2009

As a Visiting Faculty in the following institutes:

Institute Of Business Management – CBM;

MAJU Karachi;

Federal Urdu Science University:

Teaching

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

IN U.K:

OCT 2009- AUG 2013

UNIVERSITY OF GREENWICH – FORD MOTOR COMPANY

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

Worked on Research themes:

- 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, maintenance and service knowledge.
- Control the dynamic manufacturing processes and operations in real-life digital manufacturing environments, and achieve lean, sustainable and six sigma product design and manufacturing.

Lecturer – Part Time in University of Greenwich

Taught Bachelors and Masters Courses:

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

2005 - 2006

Research Project

Cummins Power Generation – Kent.

Lean Manufacturing Implementation – Team Member

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

2004 - 2005

Research Project

Ford Motors – Kent.

Lean Manufacturing Implementation – Team Member

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

NOV 2004- SEP 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

BRITISH OXYGEN COMPANY (BOC PAKISTAN LTD.)

Mechanical Engineer 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 2003

- 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.

Qualification

2013 Ph.D.	<i>University of Greenwich, London - United Kingdom</i> Doctorate of Philosophy in specialization in Strategic Management side of Supply Chain (Industrial Engineering)
2006 M.Sc.	<i>University of Greenwich, London - United Kingdom</i> Masters in Engineering Management in Supply Chain
1999 B.E.	<i>NED University of Engineering and Technology, Karachi</i> Industrial and Manufacturing Engineering.

Research and Industrial Projects

Research Supervisor of following research projects

5 – PhD Students

5 – Masters Individual Study Projects

50+ - Bachelors Final Year Research Projects

Details of some recent projects are mentioned:

- PhD in the field of supply chain management (July 2014 – until now), titled: “Design & Analysis of an Operations Research Models for Emerging needs of China Pakistan Economic Corridor (CPEC)”.

- PhD in the field of supply chain management (May 2015 – until now), titled: “Inventory utilization & capacity management within extended supply chain”.

- PhD in the field of supply chain management (May 2015 – Until now), titled: “Information, Communication & Technology in Enterprise Resource Planning”.

- PhD in the field of lean manufacturing (Jan 2016 – Until now), titled: “Productivity improvement techniques utilization in an automated 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”.

- 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)

- 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)

- 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)
- 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)
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- 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)

- 2014 “To propose & analyze integrated framework for product development within an extended supply chain environment”. (IMC & Atlas Honda)
- 2014 “To critically analyze the literature for key decision making points within the model of the information flow across an extended supply chain”. (IMC & Atlas Honda)
- 2014 “To propose a collaborative framework and then test and evaluate the framework for accommodating different business processes like manufacturing and delivery/distribution of collaborating partners in the product development process”. (IMC & Atlas Honda)

Research Interests

- Strategic Management
- Supply Chain and its Allied Business Processes
- Production and Operations Management
- Lean Manufacturing Implementation
- Organizational Behaviors
- Change Management
- Integration of Supply Chain with Businesses

Teaching and Trainings

Taught and teaching following graduate, undergraduate and corporate level courses;

- PhD Level Courses:
 - Advanced SCM
 - Advanced Principles of SC and Logistics Management
 - Product Development in Extended Enterprise
 - Technology Process Evaluation and Diagnosis
 - Supply Chain Performance Evaluation
 - Forecasting and Optimizing Techniques
 - Business Process Simulation
- Masters Level Courses: In Pakistan and United Kingdom
 - Strategic Planning and Decision Making
 - Organization System
 - Supply Chain Management
 - Management Information Systems
 - Production Management
 - Introduction to Project Management
 - Manufacturing Strategies

- Advanced Principles of Supply Chain Management
- Introduction to Business Management
- Undergraduate Level Courses: In Pakistan and United Kingdom
 - Production Management
 - Operations Research
 - Methods Engineering
 - Management Information Systems
 - Technology Management
 - Supply Planning and Control
 - Supply Chain Management
 - Business Process Management
- 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.
- Research Commercialization Training to All Head of Departments of NEDUET in 2017.

Publications

(Published Papers Only)

- Research Paper in International Journal of Modeling in Management, May 2018, titled: “Supply Chain Performance Measurement and Improvement System: A MCDA-DMAIC Methodology”.
- 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”.
- Research Paper in International Journal of Business Performance and Supply Chain Modeling, Dec 2017, titled: “Supply Chain Performance Improvement within Collaborative Product Development Environment”.
- Research Paper in International Journal of Modeling in Operations Management, July 2016, titled: “Performance Analysis of Inventory Models, Distribution and Transportation Networks in Forward Supply Chain; A Theoretical Approach”.
- Research Paper in International Journal of Advanced Manufacturing Technology, 2016, titled: “Determination of Cutter-Head Geometry for the Face-Milling of Hypoid Gears”.
- 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”.
- Research Paper in 20th International Conference Circuits, System, Communications and Computers (CSCC) – July 2016, Greece, titled: “Environmental Management Systems and Sustainability in SMEs”.
- Research Paper in 20th International Conference Circuits, System, Communications and Computers (CSCC) – July 2016, Greece, titled: “Competitive Strategy Application within

- Procurement Practices in Project Based Manufacturing Environments”.
- 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - 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”.
 - Research Poster Presentation in The international conference on Interoperability for Enterprise Software and Applications 2010 in Coventry University.
 - 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”.

Languages

- Fluency in English and Urdu.

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 Alumni of Australian Award Scholarship for South-Asian Region.
- Member of Alumni of British Council.