

## Career Objective

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To leverage my expertise in industrial engineering with commitment to enhance productivity and implement innovative solutions with continuous improvement methodologies to achieve sustainable growth and cost effective results.

## Research Accomplishment

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Research paper publication;

- **“A Conceptual Framework to Integrate New Product Development and Supply Chain Management with Organizational Business Flow in an Extended Environment”**, *International Journal of Business Performance and Supply Chain Modelling (IJBPSM)*, Vol. 12, No. 2, 2021, Page No. 129-146, DOI: [10.1504/IJBPSM.2021.116211](https://doi.org/10.1504/IJBPSM.2021.116211)

## Research and Industrial Projects

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Project Supervisor of following research projects;

- Corolla Cross Part Space creation in Assembly shop through TPS kaizen Viewpoint (Indus Motors 2022)
- Efficiency optimization in knits department via Lean Manufacturing tools & Techniques (Liberty Mills Pvt Ltd. 2022)
- Supplier Selection Criteria for petroleum Company (Asia Petroleum Ltd. 2022)
- Capacity evaluation of process equipment and productivity enhancement of three top selling products in Pharma industry by employing lean principles (Martin Dow Ltd. 2021)
- To evaluate & analyze the whole supply chain of ISL & perform gap analysis to analyze the possible solution (International Steel Limited, 2018)
- Productivity enhancement of Trim line (Mehran Commercial LTD, 2018)
- Productivity improvement of Axle Line, Tire Shop and Trim Line (Hinopak Motors Limited, 2017).
- Application of Lean tools to reduce amount of inventory waste and optimizing cost of product (Hilton Pharma, 2016)
- Implementation and comparative analysis of inventory model in a retail store, (2016)
- Evaluating best lot0size decision criteria for 3 different firms of automobile sector, (2016)
- To increase the productivity (Ali Brothers Forging, 2016)

## Career & Experience

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- Mar 2018 to date  
**Assistant Professor**
- NED University of Engineering and Technology, Karachi.**  
Department of Industrial and Manufacturing Engineering.
- Teaching Undergraduate level courses from First to final year
  - Focal person for Health & Safety committee of the department
  - Performing Administrative responsibilities as Class Advisor
  - Project Advisor for various Industrial Engineering projects
  - Attended awareness session on “Technology innovative Support Centre and Patent Procedures”
  - QEC training Program on “Intellectual Property Understanding”
  - Attended QEC training program on “Usage and benefits of Library”

- 2012 to Feb 2018  
**Lecturer**
- NED University of Engineering and Technology, Karachi.**  
Department of Industrial and Manufacturing Engineering.
- Taught Bachelors level courses from First to final year
  - Taught CAD, CAM, Production and Simulation software at undergraduate level
  - Performed Administrative responsibilities as Class Advisor (F.E, S.E)
  - Project Advisor for Final Year Projects
  - Got certificate for conducting Indigenous On-Campus training on “Health, Safety and Environment” at NEDUET
  - Attended QEC training on “Faculty development Program”
  - QEC training Program on “Quality Assurance in Education”
  - Attended QEC training on “Resource sharing for optimum use and benefits”
  - Participated as a speaker in a workshop held in NED university on “Health, Safety & Environment”

- Attended training on “Interdepartmental communication Skills”
- Attended training on “Research Methodology”

## **Qualification**

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<b>M.Engg.</b> 2009 – 2011	<b>NED University of Engineering and Technology, Karachi.</b> Masters in Manufacturing Engineering
<b>B.E.</b> 2005 - 2008	<b>NED University of Engineering and Technology, Karachi.</b> Bachelors in Industrial & Manufacturing Engineering. Industrial Project “Value stream mapping of current and future state map of trim line at Indus Motors Company Ltd.”

## **Software Expertise**

- PoM
- TORA
- WITNESS
- ANSYS
- MS Word
- MS PowerPoint
- MS Excel
- MS Access

## **Research Interests**

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- Supply chain Management
- Inventory Management
- Production Management
- Management software and tools

## **Languages**

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- Fluency in English
- Basic Knowledge of Arabic.

## **Memberships and Affiliations**

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- Pakistan Engineering Council (**PEC**).