

Muhammad Danish Saleem

+92 21 99261261
mdanishsaleem@neduet.edu.pk
mdanishsaleem@cloud.neduet.edu.pk

Personal Details

Gender : Male
Nationality : Pakistani
URL : <http://imd.neduet.edu.pk/default/files/Profile/MDanishSaleem.pdf>
ResearchGate : <https://www.researchgate.net/profile/Muhammad-Danish-Saleem-3>
ORCID : <https://orcid.org/0000-0003-4841-5910>
LinkedIn : <https://www.linkedin.com/in/muhammaddanishsaleem>

Qualification

2021 – To Date **Ph.D. in Industrial & Manufacturing Engineering (In Progress)**
NED University of Engineering and Technology
Cumulative GPA: 3.93

2020 **Masters in Mechanical Engineering**
NED University of Engineering and Technology
Cumulative GPA: 3.54

2017 **Bachelors in Industrial and Manufacturing Engineering**
NED University of Engineering and Technology
Cumulative GPA: 3.544

Career & Experience

2023 – To Date **NED University of Engineering and Technology, Karachi**
Lecturer Department of Industrial and Manufacturing Engineering

- Teaching Undergraduate level courses from First to Final year.
- Working as a Departmental OBE Committee (DOBEC) member conducting successful OBE system implementation across the department fulfilling all PEC accreditation requirements.
- Preparing and maintaining the documents related to the departmental OBE Cell.

2022 – 2023 **NED University of Engineering and Technology, Karachi**
Teaching Assistant Department of Industrial and Manufacturing Engineering

- Deliver classes and labs including Health, Safety & Environment, Finite Element Analysis and Metrology & Quality Control.

- Support students with the technical aspects of their course.
- Provide students with valuable and timely feedback to aid in their development.
- Participate in the assessment process by marking work, tests and assignments.
- Deliver demonstrations for practical work, advising on the required skills, methods and techniques.
- Familiarize students with course material, continually develop their skills and undertake training to enable the best support for students.
- Participate in the assessment process by invigilating exams.
- Help develop, update and gather teaching material to support the development of the course curriculum.
- Perform laboratory research, documentation and review research papers.
- Hand out assignments and grade papers and teach undergraduate courses.

2018 – 2023

**Assistant Manager
(S3 Grade Officer)**

Pak Suzuki Motors Company Limited

Production Division

- Analyze and forecast shop data and assist them to achieve their monthly and annual targets.
- Identify weak areas and suggest actions that will bring improvement.
- Find the cause of defect, analyze and take countermeasures for controlling the line defects.
- Interpret and analyze monthly and yearly Quality data.
- Ensure that all the processes are executed as per standard operating procedures.
- Implement safety/health standards and procedures.
- Support Production process activities.
- Monitor departmental KPI's and resolve critical shop issues related to Safety, Quality, Productivity and Cost through close communication with concerns.
- Perform Kaizen & 5S activities on daily basis.
- Identify wastages and propose improvement points to achieve monthly & annual targets.
- Make action plans and capital budgetary proposals of the department etc.
- Working on Parts rejection management system and ERP LX system.

2020 – 2022
**SAP Stream
Champion**

Pak Suzuki Motors Company Limited
Motorcycle Division

- Worked as a stream champion of PP (Production Planning) Module in SAP S/4 HANA implementation for Suzuki Global & Local.
- Prepare SAP Master Data for PP module implementation on the departmental level.
- Schedule extra simulation sessions & staff trainings that need special attention in particular subject areas such as SAP implementation and Management Policies.

2017 – 2022
IMS Coordinator

Pak Suzuki Motors Company Limited
Motorcycle Division

- Worked as an IMS (Integrated Management System) coordinator of the Motorcycle division.
- Perform and update all IMS related documentations and conduct IMS related activities.
- Prepare and update shop floor SOP's, POS, OPS and necessary data sheets.
- Participate in IMS Audits, Quality webinars, Hearings and preparing data required for its conduction.

2017
**Management
Trainee**

Pak Suzuki Motors Company Limited
Production Division

- Performed a brief OJT (On Job Training) in all the sections of Production Division.
- Attended trainings on 5S techniques, Kaizen, Safety & IMS.
- Reported progress and activities in weekly meetings and developing daily reports.

2015
Engineering Intern

Amreli Steels Limited
Production & Mechanical Maintenance Department

- Gained valuable technical experience of steel bar manufacturing and also developed personal effectiveness within a corporate environment, along with an understanding of the complete manufacturing processes and an overview of the whole plant and submit a brief report.

Academic Research Projects

- **Biogas Digester:** Construction of a biogas digester using organic waste of Cow Dung.
- **Power Hacksaw:** A prototype hacksaw model based on reciprocating mechanism.
- **Taper Shaft:** Manufacturing project manufactured on a lathe machine.
- **Dark Sensor:** Electronic project for sensing darkness and glow mechanism.
- **Concrete Mix Ratio:** Achieving best concrete mix ratio with compression & tensile tests.
- **Slider Crank:** CAD Model of slider crank on Pro-Engineer.
- **AGV:** Research based Assignment on Automated guided vehicles.
- **International Quality Standards:** Research based assignment on internationally recognized quality standards.

Research Interests

- Industry 4.0/5.0
- Advanced occupational ergonomics
- Human Factors Engineering
- Occupational Health and Safety
- Advanced Production Technologies
- Sustainable and Green Manufacturing
- Lean Manufacturing
- Smart Manufacturing

Research Publications

- Anis Fatima, **Muhammad Danish Saleem** and Asim Zaheer (2023), “On Implementation of Health and Safety measures in Re-beaming Department of Denim Manufacturing – a case study, Journal of Quality and System Engineering, Belgrade, Serbia (Paper Accepted).
- Anis Fatima, **Muhammad Danish Saleem** and Muhammad Wasif (2023), “On Optimization of Process Parameters of Inconel-718 Machining for Green Production”, 3rd International Conference on Key Enabling technologies, Istanbul, Turkey.
- **Muhammad Danish Saleem** and Nasiruddin Shaikh (2021), “Cycle time reduction of assembly line using value stream mapping”, Proceedings of the 10th International Mechanical Engineering Conference (IMEC), Karachi, Pakistan.

Workshops/Trainings/Seminars/Certifications

- Attended training on **Process of Examination and Assessment**
- Attended workshop on **Course Design**
- Attended training on **Effective Workplace Communication: Principles & Practices**
- Attended training on **Teaching Case Studies**
- Attended training on **Time Management**

- Attended training on **Psychomotor and Affective Domain Evaluation & Assessment, CEP and CEA (OEL & PBL)**
- Attended webinar on **Chat GPT & Professional Integrity**
- Attended webinar on **Digital Transformation**
- Attended webinar on **Artificial Intelligence: Implications for Technologies & Business Strategy**
- Attended training on **ChatGPT for Effective Learning**
- Attended seminar on **Capacity Building Workshops for Research**
- Attended webinar on **Introduction to Industry 4.0 Technologies**
- Attended webinar on **Engineering Application of Agile Methodology**
- Attended webinar on **Risk Assessment and Management**
- Attended webinar on **Digital Transformation and Impact of IoT on Education, Industry, Health Sector and Society**
- Attended workshop on **Accelerate your research using Elsevier's Scopus**
- Attended workshop on **SAP S/4 HANA Implementation Framework**
- Attended certificate Course on **ERP Fundamentals with SAP**
- Attended certificate Course on **Supply Chain Management**
- Attended session on **Career Orientation by CISCO**
- Attended session on **OBE Training**
- Attended workshop on **Stress & Time Management**
- Attended workshop on **Maximizing Potential**
- Attended workshop on **Stay Well Training**
- Attended certificate Course on **Computer Software & Programming**

Software and Information Technology

- CAD Software: **AutoCAD, SOLID EDGE, Pro-Engineer** and **CATIA**.
- Simulation Software: **ANSYS**, working knowledge of **ICEM CFD, CFX, Fluent, and Open FOAM**.
- Statistical Analysis: **MINITAB**.
- Programming Languages: **Turbo C++, MATLAB, GW BASIC** and **MS DOS**.
- Application Software: **MS Office, MS Project, POM** and **TORA**.
- Graphics: **Adobe Photoshop** and **FreeHand**.
- Cloud based Applications: **Zoom, Google Classroom, Google Meet** and **ChatGPT**.

Languages

- English
- Urdu

Memberships and Affiliations

- Pakistan Engineering Council (PEC)
- Industrial Engineering & Operations Management (IEOM) International Society