

MUHAMMAD KHALIL

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Objective

As an industrious UET Peshawar graduate, I'm eager to secure a Taiwan internship in smart manufacturing for Industry 4.0. I'm dedicated to driving innovation and operational excellence, aiming to leverage advanced technologies to reshape the future of manufacturing.

Education

UNIVERSITY OF ENGINEERING AND TECHNOLOGY (3.44/4.00 CGPA (86%))

Peshawar, Pakistan

Bachelor of Industrial Engineering

2018-2022

Internships

ATLAS HONDA LTD.

LHR, Pakistan

Summer Internee (Sep 2021)

- Time & Motion Study
- Designing of HVAC System
- Forecasting

TRIBAL TEXTILE MILLS LTD.

DIKhan, Pakistan

Summer Internee (July 2019)

- Production Planning
- Forecasting

Professional Experience

TUTORS GATEWAY

Peshawar, Pakistan

Tutor (Feb 2020-22)

- Mathematics
- Physics

FIVERR

Academic Writer (April 2022-Dec 2023)

- Arena Simulation Software
- Operation Research
- Optimization
- Linear Programming

COURSE HERO

Tutor (Aug 2022) to (Aug 2023)

- Academic Writer

TEACHERON

Tutor (April 2022)

- Academic Writer

NCCS UET Peshawar

Research Assistant (Oct 2022- Aug 2023)

- Analyzes data and summarizes results
- Fact checks and proofreads manuscripts
- Generates graphs and spreadsheets to portray results
- Maintains research equipment
- Prepares presentations for primary researchers

Final Year Project

Implementation of takt time to improve workflow in small and medium enterprises

Recognizing the automotive sector's significant growth in Pakistan, I conducted a study at Atlas Honda Ltd. CD-70 Cylinder production lines to enhance efficiency. By reducing the cycle time of the KIRA machine through line balancing techniques and capacity calculation, we optimized production. This led to a cycle time reduction from 68.8 sec to 59.08 sec (takt time) and increased production from 2800 to 3263 parts per day, resolving bottlenecks, improving line efficiency, and decreasing balance delay and line smoothing index."

Publications

Implementation of takt time to improve workflow in small and medium enterprises (Submitted to Journal)

Extracurricular & Volunteer Experience

INSTITUTE OF INDUSTRIAL & SYSTEM ENGINEERS (IISE) UET PESHAWAR CHAPTER Peshawar, Pakistan

- Director General Logistics (2021)
- Director Social Events (2019-21)
- Volunteer Social Events (2018-19)

DERA STUDENT SOCIETY (DSS) UET PESHAWAR Peshawar, Pakistan

- President (2021-22)
- Chief Organizer (2020-22)
- Head Of Welfare (2019-20)
- Batch Representative (2018-19)

ONLINE COURSES

Done Following Certified Online courses

1. Be an Effective Board Member
2. Time Management for Professionals.
3. Maximizing Capacity.
4. Staff Hiring.
5. Inventory Management.
6. Improve Your Technical Writing Skills
7. Sales forecasting
8. 6 Sigma Yellow Belt

AWARDS AND CERTIFICATIONS

Peshawar, Pakistan

- Certificate of Organizer of Workshop.
- Certificate of Organizer of IELTS Mock test.
- Certificate of Volunteer Social Events at IISE.
- Certified Tutor at Tutors Gateway
- Certified 5S Methodology

Additional

- **Skills:** Self-motivated, Team Leader, Quick Learner.
- **Technical Skills:** MATLAB, AutoCAD, Adobe Photoshop, Tora, lingo, PTC CREO, Arena, MS Office (Word, PowerPoint, Excel), Minitab, SPSS.
- **Programming Skills:** CNC, MATLAB & Excel Programming.
- **Interests:** Research, Technology, social media, Badminton.
- **Language:** English, Urdu, Pashto, Saraiki and Punjabi.

References

S. No	Name	Designation	Relation	Email
1	Sahar Noor	Professor	Teacher	sahar@uetpeshawar.edu.pk
2	Imran Ahmad	Assistant Professor	Teacher	imranahmad@uetpeshawar.edu.pk