Masam

Email: [masam-393499@2freemail.com](mailto:masam-393499@2freemail.com)



Mechatronics Engineer

An energetic Mechatronics Engineer on Visit Visa in UAE looking for an entry-level position aiming to utilize my theoretical knowledge with full zeal and zest to acquire strong technical and managerial skills for the future challenges in a growing organization.

**EDUCATION**

**B.Sc (Honors) Mechatronic Engineering**

University of Engineering and Technology, Peshawar, Pakistan

*2013 – 2017* *Peshawar, Pakistan*

**WORK EXPERIENCE**

**Internship**

Pakistan

*07/2018 – 09/2018 Nowshera, Pakistan Achievements/Tasks*

To study and improve the Steam Line distribution System from boiler House and Leakages in STLDS



To implement a Sensor to automate the electricity of oﬃces and Conference Halls for saving energy



Routine Maintenance Schedules of Automatic Voltage Regulator (AVR), Vacuum Circuit Breaker (VCB), Oil Circuit Breaker (OCB), Transformers, Panels, Generators, LT Room, HT Room, HT line.



Gathering and documenting all the data of HMI’s and PLC’s backup programs installed on Secondary Manufacturing Department (SMD) floor.



**Internship**

Public Health Engineering Department, KPK

*07/2017 – 10/2017 Peshawar, Pakistan Achievements/Tasks*

Installation of Light Tracking Solar Panels.



Making solar powered supply schemes.



**PROFESSIONAL SKILLS**



|  |  |  |  |
| --- | --- | --- | --- |
| AutoCAD | Matlab | Solid works | Pro/Engineering |
| Assembly Language Programming C/C++ | | | |
| Programmable Logic Control (PLC) | | | CAD/CAM |
| Computer Numeric Control (CNC) | | | Maintenance |
| Product Development | | Control Systems | |
| Industrial Automation | | Process Automation | |
| Digital Electronics | | Robotics |  |



**PROJECTS**

Conveyer Belt System (sensor based)

Interfacing Servo Motors with Arduino Software

Industrial Robot (FANUC M-710iC/50)

Obstacle Avoidance Robot

Real Time Non-Interfering Driver Fatigue Detection System Through Facial Features Monitoring (Final Year Project)

**PUBLICATION**

International Conference on Electronics, Computers and Artificial Intelligence ECAI-2018

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**Internship**

KSB Pumps & Company Limited

*07/2016 – 08/2016 Hasanabdal, Pakistan Achievements/Tasks*

To analyze and learn manufacturing processes of tools and how to ensure them through the quality check from quality assurance department.



Maintains specifications by observing drilling, grooving, and cutting, including turning, facing, knurling and thread chasing operations, taking measurements, detecting malfunctions, troubleshooting processes, adjusting and reprogramming controls, sharpening and replacing worn tools, adhering to quality assurance procedures and processes.



**OTHER SKILLS**



Adept at innovatively solving problems



Thrive in high pressure situations



Excellent critical thinking skills



Superior written and spoken communication skills



Command on MS Oﬃce and MS Project



Ability to work individually or in a group