

Burhan Aslam.

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Village Dhak Wali Taluka Kunri Umerkot



CAREER OBJECTIVE

An energetic electronic engineer has greater than three year of work experience and keen interest in instrumentation, control and automation. To pursue a good career with suitable position which provide me an opportunity to explore my skills and upgrade my knowledge at each stage for the development of the organization.

WORK EXPERIENCES

LAB SUPERVISOR | March 2016 – To Date

Instrumentation and Control LAB, Department of Electronic Engineering MUET Jamshoro

Job Descriptions:

- Maintenance and Repairing of Lab Equipment's and Devices.
- Commissioning and Installation of new Equipment's and Devices.
- Assisting Senior Faculty in there experimental and analytic research work.
- Supervising and Coordinating Students in their Projects.
- Keeping Up to date Lab records and user manuals.

CONSULTANT | INDUS MOTORCYCLE PVT. HYERDERABAD

Job descriptions:

- Presented designed for speed meter testing unit
- Testing unit circuit implementation and installment.

CONSULTANT | GRACE MOTOR CYCLE HYDERABAD

Job description:

- Provided solution for non-working electronic code marking machine.

RESEARCH PUBLICATIONS

Design and implementation of PSO based PID controller and its FPGA synthesis "International Journal of Advance Engineering and Technology (IJEAT) December 2018.

FPGA based Synthesize of PSO Algorithm and its Area-Performance Analysis" International Journal of Advanced Computer Science and Applications (IJACSA) July 2018.

Modeling and Simulation of Predictive Maintenance Scheme for High Speed Railway Vehicles in Indian Journal of Science and Technology (indJST) December 2018.

EDUCATION

2018 | Master of Engineering (ME) in Automation and Control Engineering

1st Division with 4 cgpa.

Mehran University of Engineering & Technology

2015 | Bachelor of Engineering (BE) in Electronic Engineering

1st Division with 81.67 % & 3.72 CGPA

Mehran University of Engineering & Technology

2010 | Higher School Certificate (HSC) in Pre Engineering

A grade with 73% from BISE Hyderabad

2007 | Secondary School Certificate (SSC) in Science

A+ grade with 80% from BISE Hyderabad

ACHEIVEMENTS

- Circuit Designer Award in ICUBE' 13 from ISRA University Hyderabad
- Best Project Design Award in FYP Competition from Mehran UET
- Philips LED Passport Certified for 2 years till Dec 2015 from Philips university of Lighting United Kingdom.
- 2nd Runner in Research Poster Competition in 29th IEEEEP held at Mehran UET Jamshoro
- 2nd best poster design in IEEE PSGWC'13 held at Mehran UET in poster competition.
- Leadership & All-Rounder Award in Summer Internship Program from Mehran UET Jamshoro

WORKSHOPS & INTERNSHIPS

As a Coordinator/Instructor:

- Summer Intership on Instrumentation, Power Electronics and Communication Systems at Department of Electronics MUET in June 2018
- 3 Days Workshop on PCB Circuit Designing and Assembling at Department of Electronics MUET in December 2017
- Winter Intership on Project Based System Design for Final Year Students at Department of Electronics MUET in December 2016

As an Attendee.

- Digital Circuit Design and Troubleshooting at Mehran UET Jamshoro
- Control System, Instrumentation, Automation and Robotic Design at Mehran UET Jamshoro
- Electrical Power Generation and Transmission System at GPCL GENCO-I Jamshoro

PROJECTS

As Coordinator

- **Fault Analysis in Single Phase Induction Motor based on Short Time Fourier Transform.** In this project the faulty bearing and rotor have analyses using STFT techniques. The STFT generates spectrum of bearing and rotor conditions the change in spectrum tells the fault occurrence as compared to original spectrum.
- **Three Phase Line Monitoring and Fault Detection:** A microcontroller base system that monitor voltages of three phase line and if any fault occurs in these the output load cuttof from this system.
- **Over Voltage Protection Relay:** This project is design for load safety if the input voltages is not is desire ranges then relay shut down the load to protect devices.

As a Team Leader

- **Design & Analysis of EM Braking System (FYP):** Electromagnetic braking system slows an object by creating an eddy current through electromagnetic induction.
- **Wireless Voltage Tester/Contactless Voltage Indicator:**
- **Resistance & Reactance Measurement Meter in NI LabVIEW:**

TECHNICAL SKILLS

- Programming of PLC and Digital Devices
- Troubleshooting and Maintenance of Electrical faults.
- Calibration of Sensors, Instruments and Devices.
- Microcontroller based alternative system design.

PERSONAL INFORMATION

Father's Name:	Muhammad Aslam
Date of Birth	March 17, 1991
District of Domicile	Umerkot
Computerized NIC	41304-2070610-7
Religion	Islam
Marital Status	Unmarried
Current Address	House # 30D Unit # 10 Latifabad Hyderabad

REFERENCE

Will be provided if requested.