

Muhammad Waqar Arshad

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I am an Electrical graduate looking for an opportunity where I can utilize my knowledge and skills to practical implementation that may lead to organizational progress along with my professional development.

EDUCATION

- **B.Sc. Electrical Engineering (UET Taxila, Pakistan) 2018**
Major: Power, University of Engineering and Technology, Taxila, Pakistan CGPA 2.80/4.00
- **3 years Diploma of Associate Engineer (PBTE Lahore, Pakistan) 2014**
Major: Electrical, Govt. College of Technology, Rahim Yar Khan, Pakistan Marks 91%
- **Matriculation (BISE Bahawalpur, Pakistan) 2011**
Major: Science, Govt. Comprehensive High School, Rahim yar Khan, Pakistan Marks 74%

INDUSTRIAL EXPERIENCE

- **Four weeks Internship** at Islamabad Electric Supply Company (IESCO), Islamabad, Pakistan 2017
Detailed study of Power transformers, Examine the working of CTs, PTs, Relays, Circuit Breakers, Bus bar and different operations at grid station.
- **Two weeks Internship** at Kohsar Flour & General Mills, Rahim yar khan, Pakistan 2011
Observed flour processing, Studied the electric protection system installed in flood mill and examine the working of motors in star & delta connections.
- **Industrial Tours 2011-18**
 - i Pak Elektron Limited (PEL), Lahore, Pakistan
 - ii Transfopower, Lahore, Pakistan
 - iii Vertex Electronics (Sundar Industrial Estate) Lahore, Pakistan
 - iv Heavy Mechanical Complex, Taxila, Pakistan
 - v 132 KV Grid Station Gulshan-E-Usman, Rahim yar khan, Pakistan

TECHNICAL PROJECTS

- **Design & Fabrication of Plasma Gun (Final Year Project)**
Generation of high voltages about 30kv using high frequency, High voltages are used to produce plasma by ionizing gas and plasma is used for cutting of different materials.
- **Dual Tone Multi Frequency Robot (Semester Project)**
Control movement of a robot by using two frequencies of two mobile phones controlled by a microcontroller ATMEGA-16 and L293D.
- **Prototype Pie-model of Medium Transmission line (Semester Project)**
Develop a prototype model of medium transmission line with the implementation of Pie-model.
- **Design of 10kv Voltmeter using Galvanometer (Semester Project)**
Design and Fabrication of a voltmeter by using simple galvanometer which can measure high voltages upto 10kv.

ACHIEVEMENTS

- President Rashid Cheema Health & Blood Donor's Society (RCHBDS), UET Taxila 2017-2018
Serve RCHBDS from 2014 to 2018, Organize blood donation camp for thalassemia and cancer patients at UET Taxila for the year 2015, 2016 & 2018
- PEEF Merit Base Scholarship Holder 2015-2018
Got PEEF merit base scholarship for four years of graduation from 2015 to 2018
- Serve Institute of Electrical and Electronics Engineers (IEEE), UET Taxila Chapter from 2014 to 2018
- Participate in Punjab Youth Festival at Province level 2014
Present electrical power generation project using solar system at skill competition Punjab Youth Festival, Expo Center, Lahore 2014
- Serve Character Building Society Govt. College of Technology, Rahim yar khan from 2011 to 2014

TECHNICAL & INTERPERSONAL SKILLS

- **MATLAB** (Skills: Calculations, Plotting of function/data and use Simulink for simulation and design of embedded system)
- **AutoCAD** (Skills: Develop layout diagrams, Drawings in Two and three dimensions)
- **Proteus** (Skills: Electrical circuit designing, Schematic and electronic prints for PCB)
- **MS Office** (Skills: Use MS Word, MS Excel, MS Power Point for Documentation, Spread sheets, Presentations)
- Excellent teamwork skill
- Excellent communication & leadership skills

ELECTRICAL ENGINEER