# Engr. Awais Bashir

**Mohallah Baghicha, Village & Post Office Datta,**
**Tehsil & District Mansehra,**
**Pakistan.**
Father's Name: Muhammad Bashir
PEC Registration No.: **ELECT/48591**
Cell: +92-331-5253603
Date of Birth: 12-05-1993
Marital Status: Single
CNIC: 13503-5799095-5
E-Mail: engr.awaisb@yahoo.com

## OBJECTIVE

To work hard with complete devotion for the betterment of the organization, take challenging tasks so as to assess my own capabilities and provide benefits to my organization.

## EDUCATION

**B.S Electrical (Electronics) Engineering** **2011-2015**
COMSATS Institute of Information Technology, Abbottabad, Pakistan
**2.74 CGPA (72.6%)**

**Higher Secondary School Certificate (HSSC)** **2009 - 2011**
Pakistan International Public School & College, Abbottabad, Pakistan
**843/1100 (76%)**

**Secondary School Certificate (SSC)** **2007-2009**
Pakistan National Public School, Lodhiabad, Abbottabad, Pakistan
**855/1050 (81%)**

## EXPERIENCE/ INTERNSHIP

- Teaching experience in Mansehra Poly Technic Institute and College of Commerce (**MPICC**) w.e.f 1-8-2016 to date.
  **Subjects:** Electric measurements and instrumentation, Digital electronics, Industrial electronics, Basic electronics, Physics, Telecommunication.
- Six weeks internship in Pakistan Telecommunication Company Limited **(PTCL)** Abbottabad, Pakistan in the field of switching.

## FINAL YEAR PROJECT

- **VVFD (Variable Voltage and Frequency Drives using MATRIX Converter)**

**Description:** In VVFD, voltage and frequency are varied between 110 to 220 volts and 20 to 50 Hz respectively. It is especially designed to control the speed of single phase induction motor using phenomenon of matrix conversion in which power MOSFETS (switching devices) are arranged in N×M matrix by using PWM technique through microprocessor coding.

## MAJOR COURSES

Electric measurements and instrumentation, Wireless Communication, Power Electronics, Industrial Electronics, VLSI, Electric Circuit Analysis, Digital Logic Design, EMT, Electric machines, Principles of Communication, Microwave Engineering, Digital Signal Processing, Control Systems, Microprocessor systems, Digital System Design

## SOFTWARE SKILLS

| | |
|---|---|
| Matlab | PLC programming (Ladder) |
| Xilinx | Programming in C Language |
| AutoCAD | Microsoft Office (Excel, Word, Power Point) |
| Verilog | Proteus |
| Microwind | Advance Design System |

## LANGUAGES

- English
- Urdu
- Hindko

## EXTRA CURRICULAR ACTIVITIES

- Playing Cricket/ Badminton
- Event Organization
- Net Surfing

## REFRENCES

Reference will be provided on demand.