

# Curriculum vitae

## PERSONAL INFORMATION

### Muhammad Sarmad



📍 House # 24, Lane # 6, Khayban-e-Tanveer, Chaklala Scheme 3, 46000 Rawalpindi (Pakistan)  
☎️ (+92) 51 5173440 📠 (+92) 333 5425961  
✉️ muhammadsarmad888@gmail.com

## PERSONAL STATEMENT

I am an Electrical Engineer with specialization in **Electrical Power**. I have the working knowledge of both single phase and three phase motors and generators, transformers, switchgear and protection systems. I have a work experience of two months during my internship at Pakistan Institute of Nuclear Science and Technology. I have great communication and documentation skills. I also have a sound knowledge of the software that are used in Electrical Power Engineering.

## WORK EXPERIENCE

1 Jul 2017–1 Sep 2017

### Internship

Pakistan Institute of Nuclear Science and Technology (PINSTECH), Islamabad (Pakistan)  
[www.paec.gov.pk/RnD/](http://www.paec.gov.pk/RnD/)

The Pakistan Institute of Nuclear Science and Technology, is a multiprogram science and technology national research institute managed for the Ministry of Science by the Pakistan Atomic Energy Commission.

As an intern my tasks were;

- To have a practical knowledge about working of synchronous and induction motors.
- Design of Uninterruptible Power Supply (UPS).
- Simulation of the designed model.
- PCB based implementation of the UPS.

## EDUCATION AND TRAINING

Sep 2014–Jun 2018

### BS Electrical Engineering (Power)

Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad (Pakistan)  
[www.pieas.edu.pk](http://www.pieas.edu.pk)

**CGPA : 3.21** on the scale of **4**

Aug 2012–Jun 2014

### F.Sc. (Pre-Engineering)

Fauji Foundation College For Boys, Rawalpindi (Pakistan)  
[www.fauji.org.pk](http://www.fauji.org.pk)

**Percentage : 84.27%**

Jul 2010–May 2012

### Matric (Science)

Global School System, Rawalpindi (Pakistan)

**Percentage : 93.7%**

## PERSONAL SKILLS

Mother tongue(s)

Punjabi, Urdu

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C1	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills** **Team Work** - I am a team player as I have successfully managed PIEAS Volunteer Society events.  
**Communication Skills** - I have considerable experience in building relationships at all levels, and a professional and conscientious attitude to work combined with exceptional interpersonal skills and a sound ability to communicate effectively.  
**Positive Attitude** - I have been asked several times by my event team partners to be on the guest reception team in events due to my positive attitude.

**Job-related skills** **Electrical Power Related**  
LabVIEW, MATLAB, Simulink, ETAP, PSCAD  
**Electrical Engineering, Programming & Microcontrollers**  
MULTISIM, PROTEUS, Visual Studio, C++  
**Mechanical Design Related**  
CREO  
**For Documentation**  
MS OFFICE, LaTeX

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

## ADDITIONAL INFORMATION

**Projects** **Final Year Project**  
Implementation of Protection Coordination Scheme Using Various Protective Relays.

- Mini Projects**
- SPWM Inverter design and simulation.
  - Variable DC Power Supply implementation using PCB.
  - Arduino based Programming and Interfacing.
  - Real-time performance evaluation & control of Solar Power Cell.
  - Simulation of Inverse Definite Minimum Time relay in Simulink.

**Certifications** **Microsoft Office Specialist**  
Microsoft Office Word 2013

**Internship Certificate**  
Pakistan Institute of Nuclear Science and Technology