



# Arif Ullah

Barhampatti P.O Fatehpur Tehsil  
Khwaza Khela District Swat Khyber  
Pukhtoon khwa, 19130  
Pakistan.

**E-mail:** [arifullah@giki.edu.pk](mailto:arifullah@giki.edu.pk)  
**Cell :** 0092-3449800377  
**Phone :** 0092-0938-281032 | Ext: 2684  
**Website :** [www.linkedin.com/arifullah-khan](http://www.linkedin.com/arifullah-khan)  
<https://sites.google.com/view/arifullah012>

## EDUCATION

### PhD Electronics Engineering

2017 – XXXX

Ghulam Ishaq Khan (GIK) Institute of Engineering Sciences and Technology Topi, Swabi  
KPK, Pakistan. <http://giki.edu.pk>

**Study emphasis:** Wireless communication & Networking

**PhD thesis:** doing literature review related to Energy efficiency in Heterogeneous  
Cellular Network for 5G.

**Supervisor:** Dr. Zia ul Haq Abbas

### MS Electrical Engineering

2014 - 2016

COMSATS Institute of Information technology Abbottabad, KPK, Pakistan

**Study emphasis:** Wireless communication & signal processing

**Master thesis:** Precise estimation of soft output for sphere detector using low  
complexity Likelihood Ascent Search (LAS) algorithm for MIMO system.

**Supervisor:** Prof. Dr. Shahid khattak

Obtained the MS degree, with CGPA 3.2/4.00 - <http://ciit-atd.edu.pk>

### BS Electronics engineering

2007 - 2011

Baluchistan University of Information technology, Engineering  
& Management sciences Quetta

**Final year project:** Real time tracking, monitoring and controlling system for vehicles.

Obtained the BS degree, with CGPA 2.8/4.00 - <http://buitms.edu.pk>

### Intermediate (Pre Engineering)

2004 - 2007

Government Degree College Mingora Swat  
Obtained A Grade/75%

### Matriculation (Science)

2002 - 2004

Hira Secondary School Baghderi Swat  
Obtained A Grade/79%

## WORK EXPERIENCE

### Pakistan Telecommunication Company Ltd,

Internee

**Description:** Switching and broadcast

where I learn about EWSD switching, power plants generator, rectifiers, OFS & DRS  
System.

### Egyptian Pakistani Telecommunication Services Company (EPTSC) Pvt. Ltd.

Internee

**Description:** BTS operation and maintenance

Where I learn about the BTS and its components like Duplexer, indoors and outdoors  
units, DRI, alarm system, transmission & receiving links, RF and micro wave antennas  
and their Alignment issues, Communication between BTS with another BTS and with  
BSC. The main thing I knew about working within the team working environment and  
how to maintain, operate and deal with the issue related to GSM network.

**COMWAVE Institute of Science and Information Technology,**

Visiting faculty member, Lecturer

**GIKI Institute of Engineering Science and Technology Topi, Swabi, KPK, Pakistan**

Graduate Assistant

- ❖ Assisted as Teaching Assistant (TA) in Linear Circuit Analysis (EE-211) course
- ❖ Currently assisting as lab instructor in Electronics Devices and Circuit (EE-231L) Lab

## PUBLICATIONS

---

- » **Likelihood Ascent Search (LAS) augmented sphere decoding receiver for multiple input multiple output (MIMO) system** (under process, submitted to the supervisor for review)

## MEMBERSHIPS/ AWARDS

---

**Pakistan Engineering Council**

Registered Engineer with Pakistan Engineering Council (PEC)

**Registration No: ELECTRO/16479**

**Prime Minister Fee reimbursement scheme for talented students from under Developed areas of Pakistan**

During MS study

**Graduate Assistant (GA-4) GIKI Scholarship for graduate study**

During PhD study

## COMPUTER SKILLS

---

**Use of technical software's** like PSPICE student version, MY SQL, Electronics Workbench, Turbo C/C++ programming, 8051/8052 microcontroller programming using assembly language, PLC Programming (ladder logic), Auto CAD Basic, LATEX, MATLAB, Advance Design System (ADS), High Frequency Structure Simulator (HFSS) and CST microwave studio.

**Graphics work** using Visio, Adobe photo shop, Corel Draw and Picasa.

## LANGUAGES

---

- » English
- » Urdu
- » Pushto

## PERSONAL SKILLS

---

- » Regular and Punctual
- » Good Communication Skills
- » Hard Working and Liable
- » Teamwork Qualities
- » Good time management
- » A mature attitude
- » Enthusiastic and Inspirational
- » Able to work to tight deadlines

## REFERENCES

---

- » **Dr. Zia ul Haq abbas**

Associate Professor

Department of Electrical engineering

GIK Institute of Engineering Sciences and Technology Topi, Swabi, KPK, Pakistan.

E-Mail: [ziaul.h.abbas@giki.edu.pk](mailto:ziaul.h.abbas@giki.edu.pk)

Phone: [0092-0938-281032](tel:0092-0938-281032) | Ext: 2684

- » **Dr. Shahid khattak**

Professor

Department of Electrical engineering

COMSATS Institute of Information Technology

Abbottabad, Pakistan.

E-Mail: [skhattak@ciit.net.pk](mailto:skhattak@ciit.net.pk)

Phone: [\(92\)992-383591-6](tel:929923835916)