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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.

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- » **Dr. Shahid khattak**

Professor

Department of Electrical engineering

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Abbottabad, Pakistan.

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