

# Curriculum Vitae

## MUHAMMAD AHSAN SHAIKH

### CONTACT INFORMATION

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Location Karachi-Pakistan

### PERSONAL INFORMATION

Date of Birth:	27-Sept-1989	Gender:	Male
Nationality:	Pakistani	Marital Status:	Single

### OBJECTIVES

To be an engineer in the field of Electronics and Telecommunications where I can use my knowledge, experience, and skills to further development of the organization.

### EXPERIENCE

1. RF Engineer on project of 4G LTE Roll Out as post processing (15-03-16 to current) using Genex probe and Assistant as post processing tool. Good knowledge on 2G, 3G drive test and post processing using TEMS investigation and MapInfo.
2. Graduate Research Assistant (Feb-2014 to Nov-2014) in wireless communication Lab, Multimedia University, Malaysia
3. Assistant Network Engineer in Virtual Network Operation Center (VNOC) at IX telecom, Malaysia (18-Feb-2013 to 12-May-2013)
4. One month (Nov-2015) training on 2G/2.5G RF Network Planning and Optimization.

### EDUCATIONAL BACKGROUND

#### 2010 – 2014:

Degree Title: Bachelor of Engineering (Honours)  
Field: Electronics majoring in Telecommunications  
FYP Title: Performance Analysis of LTE Physical Layer  
University: Multimedia University, Cyberjaya, Malaysia  
CGPA: 2.97 out of 4.00

#### 2007-2009:

Course: Higher Secondary School Certificate (HSSC) (Pre-Engineering)  
 School: Pakistan International School, Jeddah, Saudi Arabia  
 Result: 77 % (A Grade)

**2005 - 2007:**

Course: Secondary School Certificate (SSC) Science  
 School: Pakistan International School, Jeddah, Saudi Arabia  
 Result: 70 % (A Grade)

## COURSEWORK DURING BACHELOR OF ENGINEERING

### Electrical and Electronics Related

Electronics I, II, III  
 Circuits and Signals Theory  
 Digital Logic Design  
 Machines and Power Systems  
 Instrumentation and Measurements  
 Technique

### Communication Related

Data communication  
 Analog Communication  
 Digital Communication  
 Information theory and Error Coding  
 Digital Signal Processing  
 Communication Network  
 Optoelectronics and optical  
 communications

### Computer Related

Microprocessors and Microcontrollers  
 Computer Program Design (C Language)  
 Computer Organization and Architecture  
 Algorithms and Data Structure

### Mathematics and Science Related

Engineering Mathematics I, II, III, IV  
 Random Process and Queuing theory  
 Control Theory  
 Field theory and Circuit theory

## MEMBERSHIP

Pakistan Engineering Council: ELECTRO/21822

## LANGUAGE SKILLS

English: IELTS: 6.5

Other Languages: Native Urdu. Good skills in Japanese conversation. Knowhow of Arabic and Malay.

## PROGRAMMING/OPERATION SKILLS

### Language/Application

Matlab	C Language	Visual Basic.Net	Web Help Desk
Multisim	MapInfo	C++ Language	OpManager
Assembly Language	NAIGOS	MS Office & Visio	TEMS
Genex Probe & Assistant			Investigation

## AWARDS/ASSISTANTSHIPS AND PARTICIPATIONS

- Received graduate research assistantship for 10 months at Faculty of Engineering, Multimedia University, Cyberjaya, Malaysia (2014)

- Participated in IEEE 11<sup>th</sup> International Conference on Communications, at Kuala Lumpur, Malaysia (2013)

## PERSONAL TRAITS AND GENERAL SKILLS

- Strong leadership skills
- Able to work individually as well as in teams
- Honest with a great approachable personality
- Proactive and believe in hard-work and dedication
- Able to communicate effectively with people with different background
- Eager to learn and explore new things

## SPORTS AND HOBBY

- Swimming, cycling, jogging, and badminton
- Net-surfing and traveling

## PROJECTS COMPLETED DURING BACHELOR OF ENGINEERING

- Performance analysis of LTE physical layer (Final Year Project)
- Infrared modem hardware using Visual Basic.NET (Mini-project)
- Variable speed fan controller with temperature sensor using 8051 micro controller (in Microcontroller and microprocessor course)
- Temperature sensor using thermocouples using Arduino (in Embedded system design course)
- LED decoration runner (in digital logic design course)

## LIST OF PUBLICATION(S)

- (1) Mohd Hairi Halmi, Muhammad Ahsan Shaikh, Khairunissa Ismail, "Iteration Reduction of 8×8 MIMO V-BLAST Systems for Reduced Computational Complexity," in *Proc. of Int. Conference on Information and Convergence Technology for Smart Society (iCiCTS 2015)*, Bangkok, Thailand, pp. 51-52. Jan. 21-24, 2015.
- (2) Mohd Hairi Halmi, Muhammad Ahsan Shaikh, Khairunissa Ismail, "8×8 and 16×16 MIMO V-BLAST Systems with Iteration Reduction Scheme," in *Proc. of Int. Conference on Asia Pacific Conference on Wireless and Mobile (APWiMOB 2015)*, Bandung, Indonesia, pp. 163-166. Sept. 27-29, 2015.