

# AHSAN ALI KHAN

H/NO. C-420 BHITTAI COLONY, KORANGI CROSSING, KARACHI.

H/NO. C-249 AL-MANSOORA COLONY, SANGHAR, SINDH.

ahsankhattak@outlook.com

+92-335-3560190

## OBJECTIVE

Become a good Engineer and researcher in my field. To work in an organization where I utilize my skills and to work with maximum potential in a challenging environment and to enhance my professional skills with learning and experience for career growth.

## EDUCATION

### Electrical Engineering, Bachelor of Engineering

January 2014 – December 2017

PAF-Karachi Institute of Economics and Technology, Karachi, Pakistan  
(www.pafkiet.edu.pk) Obtained CGPA **2.91 (73.99%)**.

Specialized in electronics. Actively participated in team projects to create real-world applications.

### Pre- Engineering, FSC

September 2011 – August 2013

P.S.S.S Government Boys Degree College, Sanghar, Pakistan  
Obtained Percentage 69.0 %

Studies focused in engineering subjects such as Mathematics, Algebra, Physics and Chemistry. Learned basic concepts and applied these concepts to practical issues.

### Science, SSC

August 2000 – May 2011

New Life Academy H/S, Sanghar, Pakistan  
Obtained Percentage 76.0 %

## PROJECTS

### Final Year Project:

Speed Synchronization of Three DC Motors with Different Loads.

### Semester Projects:

- ✓ Water Level Indicator.
- ✓ LDR Base Home Security System.
- ✓ 12V DC Regulated Power Supply.
- ✓ Clap Switching.
- ✓ Call Detector.
- ✓ Control System for HOT Water Mixing Using PLC.

Dictionary (In C++).  
Math Expression Solver (In C).  
Speed Control of DC Motor.  
PID Control Incubator Box.  
Buck Convertor.

### Skills

C/C++.  
Assembly Language  
(PIC controller).  
VHDL.  
Ladder Logic Design  
& HMI (PLC).

MATLAB R2010a  
Multisim  
Arduino  
LABVIEW  
Cadence Virtuoso  
Xilinx ISE Design  
MPLAB X IDE  
MPLAB  
mikroC pro  
Powersim  
Dev c++  
LTspice  
Proteus  
SolidWorks  
Delta\_Dopsoft  
WPLSoft  
Visual Studio  
MS OFFICE

## PROFESSIONAL EXPERIENCE

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### INTERNSHIP.

Jamshoro Power Company Limited  
**Gas Turbine Power Station**, Kotri.

December 2016 – January 2017

### INTERNSHIP.

Pakistan Meteorological Department.  
**PMD Karachi**, Sindh, Pakistan

May 2017 – May 2017

## CORE COURSES

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- ✓ Power Electronics.
- ✓ Industrial Control Automation.
- ✓ FPGA.
- ✓ Digital Image Processing.
- ✓ Digital Signal Processing.

## CERTIFICATE

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### FPGA.

NED University Karachi, Sindh, Pakistan.

July 2016 – August 2016

## HONORS & ACHIEVEMENTS

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Achieve **2<sup>nd</sup>** position in Senior Design Project symposium competition in First International Conference on The Latest Trends in **Electrical Engineering and Computing Technologies**.

### INTELLECT 2017

**PAF-KARACHI INSTITUTE OF ECONOMICS AND TECHNOLOGY (PAF-KIET)**  
**15-16 NOVEMBER, KARACHI, PAKISTAN.**

## LANGUAGES

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- ✓ ENGLISH.
- ✓ URDU.
- ✓ PASHTO.
- ✓ SINDHI.
- ✓ PUNJABI.