

# USAMA BIN IHSAN

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## Objective

To enhance my knowledge and experience for supporting the objectives of an organization by working as a graduate trainee engineer under a great leadership that promotes the strategic work culture.

## Work Experience

### TEACHING IN COMPETENT STUDENT ACADEMY (C.S.A) | 2014-2016

A great experience of teaching Mathematics for three years in the same institute where I studied.

### TEACHING IN ESPOT ECAT PREPARATION INSTITUTE | 2015-Onwards

Teaching in well reputed ECAT preparation institute for consecutive four years.

## Educational Background

### BACHELOR IN ENGINEERING | NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY

- **Degree:** Bachelor of Engineering
- **Major:** Electronic Engineering
- **Passing Year:** 2018
- **Obtained CGPA:** 3.86/4.00 (5th Merit Position)
- **Final Year Project and Thesis:** Assistive Mobile Robot for Industrial and Academic Applications

### HSSC/INTERMEDIATE | GOVT. DEGREE COLLEGE, MALIR CANTT

- **Major:** Science (Pre-Engineering)
- **Passing Year:** 2014
- **Marks obtained:** 919 (83.6%)
- **Total Marks:** 1100

### SSC/MATRICULATION | PRINCE ALY BOYS SECONDARY SCHOOL

- **Major:** Science (Biology)
- **Passing Year:** 2012
- **Marks obtained:** 719 (84.6%)
- **Total Marks:** 850

## Internship Experience

### ARTISTIC MILLINERS PVT. LIMITED-YEAR 2017

In October,2017, practical exposure to a well-known industry of textile sector flourished the theoretical knowledge. During this internship of 10 working days, we spent equal time in two units of Artistic Milliners i.e. AM-02 and AM-05. This internship enhanced our knowledge about different sectors including power unit, spinning unit, weaving unit, dyeing unit and mainly of electrical and electronics department of industry.

## Honors/Awards/Achievements

Honors/Awards/Achievements	Year
Runner up Senior Quiz by SENTEC, NEDUET	2017
Runner up Robotic Competition by SENTEC, NEDUET	2017
Runner up Robotic Competition by SPEC, NEDUET	2017
Runner up in MATHEKON'17	2017
Laptop awarded by Senator Nehal Hashmi on scholarship	2016
Best management member award by President IEEE SB, NEDUET	2016
Certificate of participation in ENVISION'17	2015
First position from school in Inter School Math Olympiad (ISMO) by Pak-Turk program.	2012
Student of the year award by Principal, PABS	2012

## Professional Training/ Workshops

COURSE TITLE	FROM	YEAR
Fabrication of Dye Synthesized Solar Cell (DSSC)	Green Electronics Society, NEDUET	2018
Course on Programmable Logic Controller (PLC)	CCEE Academy, NEDUET.	2016
Interfacing and Programming of Arduino	Electronics Department, NEDUET	2015

## Extra-Curricular Activities

DESIGNATION	TEAM/SOCIETY	YEAR
Trainer DSSC Workshop	Green Electronics Society, NEDUET	2018
Vice President	Green Electronics Society, NEDUET	2017-2018
Event coordinator for workshop on MACHINE LEARNING	IEEE SB, NEDUET	2017
Member “TEAM RESEARCH”	Green Electronics Society, NEDUET	2016-2017
Member “TEAM MANAGEMENT”	IEEE SB, NEDUET	2015-2017
Player of “FOOTBALL TEAM”	Electronics Dept. NEDUET	2015-2018

## Technical Strength

- . **COMPUTER LANGUAGE:** Turbo C.
- . **COMPUTATIONAL SOFTWARE:** MATLAB, LABVIEW.
- . **TOOLS:** MultiSIM, Proteus8.1, Electronic Workbench, Cadence, Quartus.
- . **AUTOMATION SOFTWARE:** SIMATIC S7(Siemens), WinPLC7, Logosoft.

## Projects

### Major Projects

#### 1. FINAL YEAR PROJECT

“**Assistive Mobile Robot for Industrial and Commercial Application**” is the first autonomous robot of Pakistan which is capable of performing various functions including assistance i.e. it can transfer accessories from one point to other with proper security system, navigation with the help of ultrasonic sensors, image processing and use of encoders with motors, live monitoring of workplace, communication channel between host computer and common man moving in that workplace with input/output sound facility for effective communication and provides friendly environment with human machine interaction.

It can also be deployed in industrial, medical and commercial sector as an assistant of workers, can provide live monitoring of processes being performed in the industries and provide check and balance of furnished product through image processing.

## Minor Projects

2. Visible Light Communication system (Li-Fi) based networking
3. Fuel Monitoring System for Telenor Base Station.
4. Electricity Generation by Bio Gas Project.
5. Biometric Voting System.
6. Audio spying system.

## Personal Information

Full Name:	Usama Bin Ihsan
Father's Name:	Ihsan ul Haq
Date of Birth:	05/04/1996
Nationality:	Pakistani
Marital Status:	Single
Languages:	Urdu, English and Punjabi

## Other skills

- . Team Player
- . Entrepreneur mindset
- . Leadership quality
- . Smart working ability
- . Flourished presentation and communication skills

## References

Will be provided on demand.