



Amjad Hussain

Date of birth: 01/06/1994 | **Nationality:** Pakistani | **Gender:** Male |
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Flat no. 403, Euro Heights near Bin Hashim mart, Block no. 07 Gulistan-e-Johar,
Karachi, 74800, Karachi, Pakistan

About me:

Electronics Engineer | Junior Lecturer

Research interest: Control and Communication Systems

WORK EXPERIENCE

20/03/2019 – CURRENT – Karachi, Pakistan

JUNIOR LECTURER – DAWOOD UNIVERSITY OF ENGINEERING AND TECHNOLOGY

- Conducting lab work of Analog and Digital Communication, Industrial Automation and robotics, Digital Signal Processing and other related subjects.
- Supervisor of final year project of (*'Mobile Robot for Transport Application in Hospital domain'*)
- Co-supervisor of final year project (*'Unmanned aerial vehicle based on GPS for package deliveries'*)
- Supervisor of semester projects related to Industrial Automation.
- Batch advisor of undergraduate students.

Electronic Engineering | duet.edu.pk | Karachi, Pakistan

20/02/2018 – 20/03/2019 – Karachi, Pakistan

INSTRUMENTATION AND ELECTRONIC ENGINEER – FAUJI MEAT LIMITED

- Team Leader and supervisor of preventive and corrective maintenance of *Distributed Control System*.
- Worked collaboratively with design engineers, operation engineers and other internal staff
- Analysis of overall electricity load in the industry on daily basis.
- Testing and maintenance of existing *PLC based control system*.

<https://www.faujimeat.com/>

04/2017 – 02/2018 – Karachi, Pakistan

COMMISSIONING ENGINEER – WATSUN ENGINEERING AND SOLUTIONS

EDUCATION AND TRAINING

2017 – 2020 – Jamshoro, Sindh, Jamshoro, Pakistan

MASTERS OF ELECTRONIC SYSTEM ENGINEERING – Mehran University of Engineering and Technology

- Modelling and Simulation of Dynamic Systems
- Communication Systems
- Advanced Digital Design

Field(s) of study

- Electronic System Engineering

Thesis: Design and Development of Piezoelectric Energy System

3.88 | <https://muett.edu.pk/>

2013 – 2017 – Jamshoro, Sindh, Jamshoro, Pakistan

BACHELORS OF ENGINEERING – Mehran University of Engineering and Technology

- Signal Processing
- Control Systems
- Analog and Digital Communication
- Computer Communication and Networking

Field(s) of study

- Electronic Engineering

Thesis: The Smart Piezo Road

3.87

07/2016 – 12/2016 – Limerick, V94 T9PX, Ireland , Ireland

LAST SEMESTER OF BE – University of Limerick

Field(s) of study

- Electronics

<http://www.ul.ie/>

08/2010 – 08/2012 – Thatta, Pakistan

INTERMEDIATE – 56.GOV.T.BOYS HIGHER SECONDARY SCHOOL GHARO

82.9% - A1 Grade

08/2008 – 08/2010 – Karachi, Pakistan

MATRICULATION – GALLANT FOUNDATION SCHOOL

84.47% - A1 Grade

● **LANGUAGE SKILLS**

Mother tongue(s): **SINDHI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Software

Proficient User of MATLAB | Good command of Arduino, Raspberry Pi platforms (courses at the university) | OPENCV | Proteus PCB Design & Simulation

Programming Language

C C C++ | Python Programming

● PUBLICATIONS

Analysis of Piezoelectric Energy Harvester System

<http://www.ajer.org/current-issue.html> – 2021

● CONFERENCES AND SEMINARS

11/06/2021 – Online Webinar

Awareness on PEC Initiative on Innovation and Entrepreneurship

03/06/2021 – Online Webinar

Block Chain of Integrity of Supply Chain

01/06/2021 – Online

Massive Connectivity in 5G+ Networks in Smart Cities

Attended online webinar on Massive Connectivity in 5G+ Networks.

05/04/2021 – 07/04/2021 – Dawood University of Engineering and Technology

Faculty Training Program

- CPD webinar for the 01 credit

12/04/2021 – Dawood University of Engineering and Technology

Complex Engineering Problem

- CPD webinar for the 0.5 credit

25/02/2021 – Online Webinar

Academic Writing and Plagiarism Policy Awareness

- 0.5 CPD Webinar from Mehran University of Engineering and Technology,

10/08/2019 – 11/08/2019 – – Dawood University of Engineering and Technology, Karachi

Outcome Based Education

- Learned the concept of OBE outcome-based education parameters like course learning outcome (CLO), Program Learning Outcome (PLO),

25/11/2020 – Seminar Hall Dawood University of Engineering and Technology

Self-Assessment Report (SAR) Submission for MS and PhD Program Accreditation

● PROJECTS

2020 – CURRENT

Mobile Robot for Transport Application

2021 – CURRENT

Unmanned Aerial vehicle based on GPS for package deliveries.

Analysis of piezoelectric energy harvester system

Design and Development of Vision based Robotic Arm.

The Smart Piezo road

● **HONOURS AND AWARDS**

10/2016

Project Funding – Ignite Pakistan

Being group leader of my Final year project secured funding from the *Ignite research funding* Pakistan.

12/2016

President Volunteer Award – University of Limerick, Ireland

Bronze President Volunteer Award received for best volunteering performance at University of Limerick, Ireland

08/2016

ERASMUS EXCHANGE SCHOLARSHIP – European Commission

Awarded *ERASMUS Exchange scholarship* from European Commission to pursue my last semester of undergraduate at the University of Limerick, Ireland

13/03/2014

Merit Scholarship – Pakistan Engineering Congress

Awarded one of the best scholarships from the national Pakistan Engineering Congress, Lahore based on my merit

● **ORGANISATIONAL SKILLS**

MUETMUN

- Organizing committee member of MUETMUN

PVA Ambassador Programme

- University of Limerick, Ireland

IMMUET

- Organizer of event

IEEE Day Celebration

- Organizer of event

● **EVENT PARTICIPATION**

23/08/2017

IMMUET & IEEE DAY CELEBRATION

03/02/2017 – 05/02/2017

International Multi National Topic conference

2015

Youth Convention (Hopes & Challenges)

20/04/2016

Asia's Young Leaders Expo

26/01/2016

MATLAB Workshop

07/10/2015

Times One Day

● **HARDWARE SKILLS**

Hardware Skills/Expertise

- Raspberry Pi
- Arduino
- PID Controllers
- Various Sensors
- Motors and Drivers

● **CERTIFICATION**

10/2021 – CURRENT

Python Programming

Advanced Python Programming