

Curriculum Vitae

PERSONAL INFORMATION



Muhammad Usman

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✉ Usmaninaam@yahoo.com

Passport No: DL2854431

Sex Male

| Date of birth 05/07/1996

| Nationality Pakistani

EDUCATION

2014 - 2018

B.Sc Electrical Engineering

CGPA = 3.9/4

University of Engineering and Technology, Taxila (SCET Campus)

▪ Specialization in Power

Intermediate

Grade - A

2012 - 2014

Fazaia Inter College Minhas, Kamra, Attock

▪ Pre-Engineering

Matriculate

Grade - A

2010 - 2012

Fazaia Inter College Minhas, Kamra, Attock

▪ Science subjects

PROJECTS INVOLVED

Final Year Project

▪ **Home Energy Management in Smart Grid System**

Home energy management refers to initiatives and technologies that encourage consumers to optimize their energy use connected with smart grids using smart meters. Smart meter allows the integration of renewable energy resources and two way communication of electrical power. A working model of smart home is presented using Arduino and Zigbee modules. Different DSM techniques and pricing schemes are applied in this project.

Semester Projects

- Working model of Hydro-electric Power Plant
- Automatic Restaurant Management System
- Star Delta Starter for Induction Motor
- Detection of Logical Gates
- Power Generation Using Electromagnetic Waves
- Wireless Power Transfer Using Tesla Coil
- Model of Ring Main System
- Programming of Automated Teller Machine (ATM)
- Programming of Graphic User Interface

WORK EXPERIENCE

4 weeks

Trainee Engineer

Ghazi Barotha Hydro-power Project, WAPDA

www.wapda.gov.pk

2 weeks

Trainee Engineer

Pakistan Aeronautical Complex, Kamra

<http://www.pac.org.pk/>

2015 - Present

Tutor

The FAA Academy Shamsabad, Attock, Pakistan

<https://www.google.com/maps/dir//the+faa+academy+shamsabad+pakistan>

Workshops

- Arduino Based Embedded Systems
- Utilization and Indigenization of Hydropower as Renewable Energy
- Micro Controller Workshop
- MATLAB
- XCTU
- Arduino IDE
- Keil

Software Skills

- Proteus
- C / C++
- AUTOCAD
- Simulink
- Microsoft Office™ tools

PERSONAL SKILLS

Mother tongue(s)

Urdu, Punjabi

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1/2	C1/2	B1/2	C1/2	C1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills
- Class Representative throughout my studies
- Leader in group projects

Achievements/ Memberships

- Represented SCET in Convocation Ceremony 2018
- Won Merit Scholarships (May 2015- August 2017)
- Founding member and President of Tech Society SCET
- Annual Quiz Competition Winner in College (2013)
- Management of Sports Week (2014-2018)

Interest/ Hobbies

- Book Reading
- Social Work
- Hiking

Reference

▪ Engr. Fayyaz Ahmad
Assistant Professor
Fayyaz@scetwah.edu.pk

▪ Engr. Muhammad Ejaz
Assistant Professor
Muhhammad.ehjazz@scetwah.edu.pk