

Muhammad Naveed Abbasi



Objective

I am enthusiastic and energetic person with ability to learn and adapt quickly to changing circumstances accepting challenges and to tackle them even in situation under pressure. My education enables me to achieve the targets and objectives of my work effectively either on my own or as a part of team.

Current Address:

Ashraf Town Pindorian Islamabad
Pakistan.

Permanent Address:

Village & P.O. Ulla , Tehsil Topi ,
District Swabi Khyber Pakhtunkhwa
Pakistan.

Contact information:

Cell phone: +92-3225114907

WhatsApp Number:

Cell phone: 03225114907

Postal Address :

S/O Sakim Shah,
OLD MARGALLA
ELECTRONICS (RTC AWC)
Plot #22 Sector H-9, Islamabad.

Personal Information

Father name:	Sakim Shah
Date of birth:	20-10-1994
Domicile:	Swabi (Khyber Pakhtunkhwa)
Gender:	Male
Nationality:	Pakistan
Marital status:	Single
NIC #:	37405-7170796-1

PEC #: Electrical / 68201 (www.pec.org.pk)

E-mail: mnaveedabbasipak@gmail.com

Education/Qualification

Year	Qualification	Institution	Division/ CGPA	WEB LINK
2017	B.Sc. Electrical Engineering	Federal Urdu University Of Arts, Science & Technology Islamabad	3.36/4	www.fuuastisb.edu.pk
2013	Pre-Engineering Higher Secondary School	Federal Board of Intermediate and Secondary Education	1 st 785/1100	www.fbise.edu.pk
2011	Science Secondary School	Federal Board of Intermediate and Secondary Education	1 st 898/1050	www.fbise.edu.pk

Major courses in B. S c Electrical Engineering

Electricity and Magnetism, Engineering Drawing, Calculus-(1,2), Basic Electrical Engineering and Circuit Analysis, Introduction to Programming, Electronics-(1,2), Engineering Mechanics , Communication Skill and Technical Report Writing, Linera Algebra Differential Equatuion, Complex Analysis, Electric Network Analysis, Digital Logic Design, Instrumentation and Measurement, Transform Analysis, Probability & Random Variables, Computer Artitucture And Microprocessor, Electrical Machines, Digital Signal Processing, Engineering Managnement, Power Electronics, Digital Sysytem Design, Introduction to Power Engineering, Electro Magnetic Field Theory, Embedded system Design, Engineering Ethics, Linear Control System, Communication Theory, Wave Propogation and Antenna, Computer Networks, Industrial Electronics, Optical Communication and Digital Communication.

Final Year Project

Dual Axis Solar Tracking with Maximum Power Point Tracking.

The project is based upon upgrading sustainable power sources utilizing numerous systems. The primary purpose of my thesis project is to utilize maximum power to charge batteries efficiently using **Solar tracking** and **Maximum power point tracking** (MPPT).

So this project will therefore emphasize the design of the solar panel with the use of the Light Dependent Resistors(LDR'S),as these LDR'S are used as sensors to get maximum light intensity so that the Solar Panel captures maximum light from the sun and with Maximum Power Point Tracking we get a constant output as MPPT continuously takes the values of voltage and current coming from the Panel and compares , Solar tracking continuously tracks and tells what is the best possible position of the sun plate, that helps to extract determined yield out of the panel. DC motors mounted in this system are brought into work when Solar tracking LDR's sends a signal to the Arduino and after processing Arduino further provides a PWM signal that is a Pulse Width Modulating signal to a motor driver (H-Bridges) in this control system, that instantly provides a jerk current and voltage to move the panel forward or backward, Up or down as needed.

Technology Used: PROTEUS, ARDUINO, LDRs SENSOR, C++ PROGRAMMING, PERTURB & OBSERVE METHOD

Course Projects :

<u>Projects</u>	<u>Technology Used</u>
<ul style="list-style-type: none">• Home Automation System• Motor speed controller using microcontroller• Motor speed controller using PWM,• Obstacles Avoider Robot,• Line Follower Robot,• DC-AC Inverter,• Regulated Power Supply,• Air Line Ticketing System Domestic and international	<ul style="list-style-type: none">(Xilinx , ModelSim , Verilog, FPGA Based),(8052, Arduino)(IC 555)(C ++ , Arduino Based),(C ++ , Arduino Based),(Proteus)(Proteus)(C ++ Programming)

Course Softwares :

<ul style="list-style-type: none">• Auto-Cad,• MATLAB,• Proteus ,• ModelSim ,• MS Visual C++,• Xilinx ,	<ul style="list-style-type: none">Step 7-Micro/Win step ,PLC, (FATEK)Cisco packet trace,PCB Wizard ,Live WIRE.Lab View
--	---

Laboratory Apparatus/Tools

- Etekcity msr-u1000 auto-ranging digital multimeter , volt amp ohm capacitance meter,,
- Solder sucker,
- El-1 digital oscilloscope,
- Fluke 87v industrial multimeter,
- Wire strippers,
- Panel volt meter,
- Hot air soldering rework station,
- Universal micro crimping pliers,
- Triple output 195 watt power supply.

Other Programming skills :

- MATLAB,
- C++ Programming ,
- Arduino,
- Basic knowledge HTML
- Verilog.

Experience

- | | |
|---|--------|
| • 1 months' experience as an internee Engineer in PTCL. | 2016 |
| • Experience on PLC & SCADA | 2017 |
| • Experience on FPGA | 2017-8 |

Languages and Computer Literacy

English (Both written and spoken skills) , Punjabi (spoken skills)

Urdu (Both written and spoken skills) ,

Having experience in All Operating Systems (Win and Basic Linux), MS Word, MS Excel, MS PowerPoint, & also work and command on Internet Browsing & Email.