



MUHAMMAD TAYYAB

ELECTRICAL ELECTRONICS ENGINEER



Father Name :	Muhammad Altaf	Contact No 	:	+92 302 9292394
Date of Birth :	27, October 1996	Email 	:	m.tayyab9292@gmail.com
Domicile :	Punjab	Postal Address :	House # 1017, Street 96, Sector I-10/1, Islamabad.	
Religion :	Islam	Permanent Address :	Village Bhoian, P.O. Karianwala Tehsil & District Gujrat, Punjab, Pakistan.	
Nationality :	Pakistani			

Objective

Highly skilled Electrical Electronics Engineer in the design, development, and maintenance of Low Voltage (LV) switchgear systems. Specialized in Automatic Transfer Switch (ATS), Automatic Mains Failure (AMF) panels, Power Factor Improvement (PFI) panels, Synchronizing Panels, and more. Seeking a challenging role in a forward-thinking company where I can contribute to innovative projects and advance my technical expertise.

Education

• MS in Electrical Engineering (2023)	University of Engineering and Technology (UET), Taxila	Specialization in Digital Techniques “An Algorithm for Conflict Detection In crowd based on security system”
• BS in Electronics Engineering (2019)	International Islamic University (IIU), Islamabad	Electronics (CGPA, 3.14/4.0) “Sensor Based Prosthetic Hand Control”
• HSSC (2014)	B.I.S.E. Gujranwala	F. Sc. Pre-Engineering (1 st div.) Phy, Chem, Math
• HSSC (2012)	B.I.S.E. Gujranwala	Matric Science (1 st div.) Phy, Chem, Math, Bio

Achievements / Certificates / Awards

- **3rd Position** in Open House **Final Year Project (FYP)** Competition at **IIUI** (2019).
- “2nd National Workshop on **Power Electronics with Renewable Integration**”
- “Workshop on **Energy Storage System: Science, Technology and Innovation**”
- Training Certificate on “**Freelancing**” , “**Graphic Design**”, “**WordPress**” , “**Creative Writing**”, “**Communication and Soft Skills**” , “**Amazon Virtual Assistant**” “**Digital Marketing**” , “**Video Editing, Animation and Vlogging**” , at **DigiSkills.pk**



Work Experience

- “Lab Engineer” at UET, Taxila 2020 to 2022.
- Internship at National Institute of Electronics (NIE).
- Internship at Sky Exchange as Technical training Engineer.
- Online projects work as a “Freelancer” on Fiverr / Upwork.
- Technical Sales Engineer at **Sympl Energy** Solar based Company
- A **DESIGN ENGINEER** in LV Switchgears at **SUNTECH ENGINEERING SERVICES (SES)**
From 2023 to present in ISLAMABAD.

❖ Work History

**September 2022 - February 2023, Production & Quality Engineer,
Suntech Engineering Services (SES), Islamabad, Pakistan**

✓ Responsibilities:

- To start the projects as per drawing/Instructions given.
- To generate production report: running projects, completed projects, projects needed to be tested, and projects ready to be delivered on daily basis.
- To co-ordinate with the fabrication and mechanical team.
- To co-ordinate with the electrical technicians.
- To carry out projects in parallel in order to meet the deadlines.
- To create the BOQ's and BOM's related to project.
- To ensure the implantations of safety protocols inside the production area.
- To verify load calculations and Panel testing as per technical specifications given.
- To send team of technicians at sites in case of faults.
- To carefully inspect the quality of finished product as per ISO 9001:2015 quality assurance and quality management.

**❖ March 2023 - Current, Design Engineer, at Suntech Engineering Services,
Islamabad, Pakistan**

✓ Responsibilities:

- Designing, Cost Estimation/Reduction and drawing of Synchronization Panel.
- Designing, Cost Estimation/Reduction and drawing of Metering Panel.
- Designing, Cost Estimation/Reduction and drawing of Automatic Main Failure Panel.
- Designing, Cost Estimation/Reduction and drawing of Automatic Transfer Switch Panel.

- Designing, Cost Estimation/Reduction and drawing of Manual Transfer Switch Panel.
- Designing, Cost Estimation/Reduction and drawing of Power Factor Improvement Panel.
- Designing, Cost Estimation/Reduction and drawing of Low-Tension Panel.
- Designing, Cost Estimation/Reduction and drawing of Motor Control Unit and Motor Control Centre Panel. (Star - Delta)
- Designing, Cost Estimation/Reduction and drawing of Electrical Distribution Boards Panel.
- Designing, Cost Estimation/Reduction and drawing of Bus Tie Duct.

Others:

- Prepared analytical reports related to research data.
- Human Resources: employees' salary, attendance records, medical records, useful documentation etc.

❖ ISO 9001:2015 Documentation for Suntech Engineer Services.

Company's profile, quality objectives, quality policies and ISO 9001:2015 quality management manual.

- Documentation of Procedures in order to meet ISO standards: Risk and opportunity management, procurement and supplier management, internal audits, customer related process, corrective action, control of non – conformity, control of calibration equipment etc.
- Documentation of Mandatory records: CAR request Form, Master lists of machines, preventive maintenance plans and records, client feedback form, customer satisfaction analysis etc.

❖ Interests

- Technical: Electrical Distribution & Protection Systems, Load Calculations, Cable Tray, Ladder, Trunk and Bus Tie Duct BTB, ATS, AMF, DOL, STAR - DELTA
- Others: Travelling, Hiking, Photography, Socializing with friends, watching movies.



Professional Skills

Skills Name	Level of Expertise
• Circuit Designing	Expert
• PCB Layout	Expert
• FPGA Programming	Competent
• MATLAB Programming & GUI development	Proficient
• Arduino Programming	Expert
• Python Programming	Competent



Software Skills

- Proteus, Schematics, Arduino Programming , MATLAB/ SIMULINK model designing, C/C++ , Eagle, Keil, ModelSim, Python , Microsoft Office (Word, Power Point, Excel)
- AutoCAD, ETAP



Language Skills

- Urdu- Mother Tongue
- English- Proficient User
- Punjabi- Fluent



Personal Skills

- Creativity
- Team Work
- Hard Working and Innovative



References

References will be provided on demand.