MUHAMMAD MAJEED

Senior Engineer

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EDUCATION

MS Nuclear Engineering
Pakistan Institute of Engineering and Applied Sciences

📅 2013 - 2015 ⚲ Islamabad, Pakistan

CGPA: 3.25/4.0

BSc Electrical Engineering
University of Engineering & Technology Lahore

📅 2009 - 2013 ⚲ Lahore, Pakistan

CGPA: 3.072/4.0

Diploma of Associate Engineering in Electrical
Lahore Polytechnic Institute Lahore, Pakistan

📅 2004-2007 ⚲ Lahore , Pakistan

PERCENTAGE: 78.98%

UNIVERSITY PROJECTS

- Small Hydro Power Plant.
- Development of digital game by using gate logic.
- Audio Amplifier Using Operational amplifier.
- Moving message display using AT89C51 (micro-controller) by the usage of assembly language code.
- Automatic water level detection and controller Using AT89C51 by C language code.
- DC motor direction Control using MOSFET.
- Development of variable frequency inverter by using MOSFETs.

DISSERTATION WORK

BSc Thesis
Home appliances control through GSM and Smart metering system

- PIC micro-controller based application.
- Designed the circuit and control logic for said purpose.
- Developed C language Code for control logic.
- Designed and developed the control circuit and its PCB.

MS Thesis
Development of fluid theory based code for HBr/Cl2/Ar plasma discharge

- Designed a self sustained fluid model for plasma discharge.
- Identified the important reactions of this plasma.
- 22 species (positive, negative, neutral and excited) are incorporated in it.
- Boltzmann Equation solver BOLSIG+ used to calculate rates of electron impact reactions.
- Developed C language Code for the model in LINUX based OS.
- Simulations of the code has been carried out by varying different parameters.
- Result of important species is analysed and drawn by ORIGIN.
- **Research paper of this work is under review in "Physics of Plasmas".**

LOOKING FOR

" To work in a progressive and dynamic research organization where one could solve scientific enigmas and contribute towards welfare of society "

TECHNICAL STRENGTH

Skill	Level
C/C++	●●●●○
Assembly Language	●●●○○
MATLAB	●●●●○
Python	●●●○○
Verilog/VHDL	●●●○○
Proteus	●●●●○
Arduino Board Programming	●●●●○
EPICS	●●●○○
WinSpice/PSpice	●●●●○
MS Office	●●●●○

MOST PROUD OF

🏆 **Top Performer in College**
Secured 1st position in College in Diploma of Associate Engineering

📈 **Knowledge Evolution**
Going next level everyday by perpetual learning of technical and scientific knowledge

STRENGTHS

Hard-working   Decision Making
Ability to Work Under Pressure
Motivator & Leader
Conflict Resolution   Time Management
Target oriented   Able to travel
Flexibility and Adaptability

WORK EXPERIENCE

Senior Engineer
CHASHMA CENTER OF NUCLEAR TRAINING, PAEC

📅 Nov 2015 - Present 📍 Chashma, Pakistan

- Training of newly inducted officers and Staff.
- Impart training to officers on basic and advanced features of MS-Excel.
- Worked in the team to up-grade the I/O system (EPICS based) of Simulator.
- Developed the database for the newly I/O system installed
- Ensuring quality control requirements and safety measures at job site.

Internee Engineer
Pak Elektron Limited

📅 July 2012 - August 2012 📍 Lahore, Pakistan

- Coordinated with lead engineer to tackle the problems down in Switch-gear Department.
- Attended meeting with the engineering team to optimize the production.
- Visited work area on daily basis to monitor the work.

CERTIFICATES

- Presented my research work in Symposium on "**Advances in Nuclear Engineering**" at Pakistan Institute of Engineering & Applied Sciences, Islamabad, Pakistan.
- Participated in "**Workshop on Plasma Physics-2015**" at National Centre for Physics, Islamabad, Pakistan.
- Attended and successfully completed a four weeks course on "**Spoken English**" at University of Engineering & Technology Lahore, Pakistan.
- Participated in "**Student Professional Awareness Conference**" at University of Engineering & Technology Lahore, Pakistan.

HOBBIES

Reading newspaper
Have a keen eye on current affairs

Music Addict
Listen quality music of every genre

Tracking
Going for mount climbing on every single year

Travelling
Always fond of traveling to exotic places

LANGUAGES

| English |
| Urdu |
| Punjabi |
| Arabic |

REFEREES

Dr. Aman ur Rahman
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