Muhammad Bilal Ahmed
Skilled Electrical Engineer
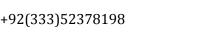
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February 23, 1994

Why *Bilal?*

- Action-driven and proactive engineer with strong academic credentials & extensive knowledge of electrical engineering processes such as Electrical Power Generation, Transmission & Distribution. Power system analysis, its dynamic control & protection using real time FACT devices. He has comprehensive knowledge of industrial derives & their control by electronic devices, microprocessor systems, electric circuit design & analysis and electronic system operations.

- Skilled problem-solver with expertise in operational and production activities to avoid any outages. Expertly identifies complex problems by researching information to develop & evaluate options and implement solutions to minimize workflow disruptions. Adept at electrical derives & response of electrical machines in adverse conditions, MATLAB simulation of machines and their power quality improvement.

CORE STRENGTHS & ENABLING SKILLS

- Electrical Engineering
- High Voltage Engineering
- Electric Power Generation

- Root Cause Analysis
- Safety Compliance
- Process Validation

- MATLAB, NI MULTISIM &Electronic Workbench
- Interpersonal Skills
- Communication & Presentation Skills

PROFESSIONAL TRAININGS & INTERNSHIPS

- **ONE YEAR   Pakistan Telecommunication Company Limited   (in progress)**
  Currently working in ISO Certified Quality Assurance Department of the leading telecom company, PTCL. I have sound knowledge of maintaining quality of PTCL existing system as well as new projects. Capable of making Checklists, SQIs so as to analyze level of quality at a glance & expert at quality related work at office as well as at site.
- 4 WEEKS   NTDC 500kV GIRD STATION, JAMSHORO
- 1 WEEK   DAWLANCE REFRIGERATOR COMPANY

FINAL YEAR RESEARCH PROJECT

Power Quality Analysis of Three Phase Induction Motor in Terms of Voltage Sag.

- In this research project a prototype of 3-Ø Induction Motor was designed on MATLAB & power quality threats like voltage sag and harmonics were analyzed by starting the machine at different firing angles of TRIACs.

ACADEMIC QUALIFICATIONS

Bachelor of Engineering (B.E) Electrical Power Engineering *M.U.E.T Jamshoro*	81.99%.	1st Division	2016
Higher School Certificate Pre-Engineering *B.I.S.E SUKKUR*	83.91%	A1-Grade	2011
Secondary School Certificate Science Group *B.I.S.E SUKKUR*	80%	A1-Grade	2009

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