



MAHRUKH KHURSHEED

ELECTRICAL ENGINEER

House # 80, Sec 13, Block D,
Orangi Town, Karachi
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mahrukh091@yahoo.com

OBJECTIVE

Keen on being a part of your progressive organization that utilizes diverse talents to maximize my professional potential, promote organizational productivity and implement the knowledge and skills I acquired during my educational and working associations.

EXPERIENCE AND INDUSTRIAL VISITS

Aug 2016
to Aug 2017

Management Trainee, Electrical
HUB Power Services Limited, HUB, Baluchistan



Accomplished these projects and associated with different activities

- Proposing Alternate maintenance free solution of 110V lead acid batteries
- Replacing Line Distance Protection Relay LZ96a with ABB new relay REL 670
- Assessing Health of OBAT Transformer with Electrical testing
- Complete Overhauling of HV Motors
- Incident investigation of Battery explosion, 500KV transmission line tripping & blackout
- Modifying Battery Bank Area Risk Assessment form
- Updating different Generator transducers checksheet

INDUSTRIAL VISITS

November 2015
August 2015
June 2015

Korangi Thermal Power Station, K-Electric
Bin Qasim Thermal Power Station - II, K-Electric
HUBCO Power Plant, Hub, Baluchistan.

EDUCATION

Jan 2012 to
Jan 2016

Bachelor of Engineering (Electrical) | CGPA: 3.907
NED University of Engineering & Technology, Karachi



FINAL YEAR PROJECT

220kV Partial Network System Protection Co-ordination

- Fundamental concepts of Power System Protection
- Symmetrical and asymmetrical fault calculations at various locations in the proposed system.
- Protective relays settings & co-ordination for Generators, Transformers and Transmission lines.
- IEEE and IEC Standards for protection and co-ordination of power system.

2010-2011

HSC (Pre-Engineering) | A-1
BAMM PECHS Govt. Girls College, Karachi

KEY SKILLS

TECHNICAL SKILLS

- Power System Protection (Fault Studies, Relay settings and coordination)
- Power System operations
- Technical and Design Softwares
 1. ETAP (Load Flow Analysis, Short-Circuit Analysis, Protective Device Coordination)
 2. MATLAB and SIMULINK (SimPowerSystems Toolbox)
 3. MULTISIM
 4. SIEMENS SIMARIS Design
 5. AutoCAD (Basic Geometry, Drawing Units, Specialized Drawing Commands, Layers & Annotations and Dimensioning & Plotting)

COMMUNICATION & SOFT SKILLS	<ul style="list-style-type: none"> • Possess good written and verbal communication skill • Fluent in English and Urdu language • Effective Presentation Skills • Work well under pressure • Manage time efficiently
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COMPUTER SKILLS	<ul style="list-style-type: none"> • Proficient in Microsoft Office <ol style="list-style-type: none"> 1. MS Word 2. MS Excel 3. MS Power Point • All Microsoft Windows Operating Systems • Basic computer hardware and software diagnosis.
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HONOURS & AWARDS

May 2015	Recipient of Laptop in the Prime Minister's laptop Scheme for securing high merit in Electrical Department, NEDUET.
September 2011	Recipient of merit award for securing high merit in the Intermediate annual examination
July 2009	Recipient of merit award for securing highest marks in the campus in the Matriculation annual examination

TECHNICAL WORKSHOP PARTICIPATIONS AND TRAININGS

April 2018	Transforming Present Grid to the Future (Power system Planning, Grid Construction, HVDC Transmission System, Energy situation in Pakistan) IEEE Power & Energy Society
January 2017	Process Safety Management, Project Management, General environment awareness, Risk Assessment tools, Integrated Management System, Fall Protection and height safety awareness, Manual Handling, COSHH and departmental trainings in Instrumentation & Control, OPS, Engineering Corrosion & Prevention, Planning, Procurement and Contracts HUB Power Services Limited, HUBCO
September 2016	Carnelian, Towards Excellence A1-Day Experience HUB Power Services Limited, HUBCO
December 2014	Distribution System Designing using SIMARIS DESIGN Electrical Department, NEDUET
August 2013	Smart Grid; Pathway to Smart Engineering IEEE Power & Energy Society

HOBBIES & INTERESTS

- Reading novels, cooking, playing video games and watching NAT GEO & Discovery documentaries and quiz shows.
- Playing Badminton and keeping pets.

Personal Information	<ul style="list-style-type: none"> • PEC Registration # : ELECT/54742 • Father's Name : Khursheed Alam • Date of Birth : 20 November 1992 • C.N.I.C. : 42101-9909197-8 • Domicile : Karachi (Sindh) • Citizenship : Pakistan
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References available upon request