



Usman Ali

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15 October, 1998 📅

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I am an Electrical Engineer who is working in the industry in the field of power systems. My dedication and way of doing work impress the employer. I am dedicated and hard-working and try to complete my work with full efficiency. During my ongoing Industry experience, I have learn lot of things like HT cable Termination, Transformer Testing and Commissioning, FATS (Factory Acceptance Test) of LT and HT panels and also learn ERP (Enterprise Resource Planning) . In order to have an interest in Electrical Power Systems, I am doing my Master of Engineering from NED University Karachi in Electrical Power Systems. Right now I am a Management Trainee Officer In KSEW and my duties and responsibilities are mentioned in my work experience. Now looking for a good opportunity to show my potential and practical Knowledge in the Industry which offers good working and challenging environment in the field of power systems.

EDUCATION

BS Electrical Engineering National University of Computer and Emerging Sciences-FAST

08/2016 - 06/2020

CGPA: 3.0/4.0

INTERNSHIPS AND WORK EXPERIENCE

INTERNEE Heavy Industries Taxila

06/2019 - 07/2019

Taxila, Pakistan

Tank Manufacturing Company Of Pakistan Project of Ministry Of Defence

Achievements/Tasks

- Projects regarding PLC and Task to automate Gun Barrel cleaning machine

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Management Trainee Officer karachi Shipyard and Engineering works Ltd

02/2021 - Present

Karachi

KSEW is Ship Repairing, Building and maintenance company based in karachi

Responsibilities

- I am a MTO in KSEW deputed as Trainee Engineer by my department SMC (Submarine Construction Department) where NESPAK works as a consultant and ZCL and ZKB (JV) are the contractors. Where we are working on upgradation of kSEW for to built future Submarine Construction Facility which includes multiple site upgradation. I am on SMCH site where we are design power station 2x2000 kva transformers, Gas station for heat and welding purposes, Outfitting Workshop, Hanger Shed and Multipurpose building. I have collaborated with NESPAK regarding our project work. I have also conducted FATs for HT and Lt panels, Transformer testing commissioning. Also Work on ERP (Enterprise Resource Planning). SMC is ongoing vast facility going to be built for to ensure best defence of pakistan.

SOFT SKILLS

Assembly language

Microcontrollers

PLC

Power World

Arduino

Calculus

Matlab

Lab view

Do more

ETAP

Simulink

PERSONAL PROJECTS

IoT Based Smart Energy Generator (08/2019 - 06/2020)

- Our FYP project in which we use generator and measured, monitor all its parameters with Internet Of Things. Parameters which include following things:
 - Fuel Monitoring.
 - Power Consumption.
 - Reactive and Real Power.
 - Load mangement of House.
 - Lubricant Oil changing and Run time monitoring.
 - Auto or User define start-up of Generator.

Hand Gesture Based Robot (08/2018 - 01/2019)

- Project hand gesture based Robot comprises of microcontroller in which programming of Assembly language used to instruct the Robot regading direction. project aims to solve problem of handicapped persons to ease thier life

LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

Hangout with Friends

Knowledge Seeker

E-Gaming

Chess

Badminton