

Manar Hussein El-derigi

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Profile

A fresh graduate Electrical Engineer with a wide range of training in distribution, and control field seeking a job to enhance my technical, knowledge, and soft skills within a cooperative working team or individually contribute to the organization.

EDUCATION

Bachelor Of Electrical Power and Machines Engineering, Damietta University, August 2023

Grade: Excellent with honor (86.15%).

Graduation project: A Protection System of HVDC Transmission System based on Artificial Intelligence Techniques.

Graduation project grade: Excellent.

TRAINING AND COURSES

Trainee, Dar Al-kahrbaa Training Center Electrical Design, Shop Drawing and Tendering, (July 2023 – Sep 2023)

- Independently carry out designs of lighting systems for indoor using DIALUX evo.
- Implementing small power and MEP loads designs layouts following international codes.
- prepare single line diagrams for electrical distribution panels and conduct power cable sizing calculations.
- Sizing of LV transformers, generators, UPS, and central battery according to calculated demand loads.
- Design light current systems such as fire alarm, data, telephone, CCTV, and access control.
- Prepare shop drawing layouts for all electrical and light current systems including all details and be aware of their method of statements.
- Project cost estimation through studying the project package including drawings, specifications, vendor list, and BOQ.
- Prepare project document.

Trainee, HA Consulting group Basic diploma classic control, PLC Basics, Electrical Motor& drive programming, and sensors (July2022 – Sep 2022)

Trainee, ITI Automotive Embedded systems summer training C language Tutorial, AVR microcontrollers (Aug2022 – Sep 2022)

Trainee, West Delta Electricity Production Company, Aug 2021

- Took an external summer training at West Delta power plant (gas power plant 250 kW, steam power plant 210 kW, 750 kW compoundpower plant, GIS station).

ADDITIONAL TRAINING AND COURSES

- The Arab Contractors Company Training.
- Training with Technology Inovation and Entrepreneurship Center team (InnovEgypt).
- Taking English and ICDL courses in Information Technology Center and Tabarak Center for languages and Computer.
- Training in Damietta port.
- Shoman Training.

ACADEMIC PROJECTS

A Protection System of HVDC Transmission System based on Artificial Intelligence Techniques Graduation Project, July 2023

- Learning to design and program a user interface by MATLAB that designs the HVDC system.
- Learning to simulate a distance protection system in MATLAB/Simulink.
- Learning to develop an advanced protection system integrated with AI techniques.

SKILLS

Software

AUTOCAD

DIALUX EVO

ETAP

TIA Portal, Simatic manager

Microsoft Office (Word –Excel –PowerPoint

MATLAB, and MATLAB Simulink.

Proteus

Soft Skills

Self-learning and motivating.

Communication and leadership.

Teamwork and collaboration.

Adaptability and flexibility.

Language

Very good in written English, Native Arabic.