

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 5 years hands-on experience working in testing and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/06/1990
Gender : Male
Marital Status : Single

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2012

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : E-learning: Student at Udemy Academy and Coursera Academy.
- : SIEMENS (2012):
 - Introduction to PLC S7-300.
 - Introduction to HMI & SCADA systems.
 - Introduction to PROFIBUS-DP & Motor Drives (Micro Master).
- : Cairo University (2012):
 - Distribution.
 - Dialux.
 - AutoCAD.
 - Etap.
- : Schneider Electric Diploma (2011):
 - Automatic Control.
 - PLC.
 - SCADA.
- : Cairo University (2010):
 - Matlab.
 - Simulink.
 - Orcad (PSPICE).

- : Overseas Training at NR Electric Co. Ltd (Sep. 2016):
 - Training on NR protection relays such as (differential, distance, busbar, feeder protection relays).
 - Training on SAS (Sub-Station Automation System) software.
- : Egyptian Electricity Transmission Co. (Network Training Center) (May 2013):
 - Instrument transformers & power measurement – CTs & PT.
 - Protection fundamentals - the basic principles of protective relays.
 - Substation protection - bus bar protection.
 - Substation protection - transformer protection.
 - Substation protection - high voltage line protection.
 - Substation protection – Omicron CMC 256 test kit.
- : Enppi (summer 2011).
- : National Control Center of Energy (summer 2009).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2013 till now
- Employer** : EETC (Egyptian Electricity Transmission Company)
- Job title** : Protection Engineer
- Job Description** :
- Testing and commissioning all types of switch yard gear and switchgear equipments such as Current Transformers, voltage transformers, circuit breakers, isolators, earth switch, and capacitor banks.
 - Skilled in all types of scheme checking such as transformer protection, differential schemes, stability schemes, capacitor bank stage controls and interlocks and other control circuit schemes with various systems.
 - Skilled to test various Numerical protection relays of NR, Micom, ABB, Siemens, make having protections such as Differential Protection, Distance, Line differential, Earth Fault, Over current, Negative Phase Sequence Current, Earth fault, Thermal overload protection, Under voltage and Over voltage protections.
 - Knowledge of all Differential Protection such as Power Transformer, Feeders, Busbar and REF Protection.
 - Great knowledge with induction motors characteristics and their drivers (inverters), also skilled with other servo system, stepper system, and their controlling methods.
 - Programming of many types of PLC's (programmable logic controller).
 - Experience in Relays:
 - NR: PCS9611-PCS978-PCS93-PCS902-PCS915c.
 - Micom: P126-P442/443-P543.
 - ABB: REF615-REU615/610-REF543.
 - Siemens: 7SJ61/7SJ81-7UT61 -7SA51/7SA61-7SD61 -7SW.
 - Experience in Test Kits:
 - Omicron CMC 256.
 - CT Analyser- Omicron.
 - Programma Sverker 750 Relay.
 - FREJA 300 Relay Test System.
 - ISA CBA 1000.
 - Working experience:
 - Testing and commissioning for 4 transformers 220/66/11KV and one switchgear for Motemedia sub-station.

- Testing and commissioning for 2 transformers 66/11KV and one switchgear for king Faisal sub-station.
- Testing and commissioning for 4 transformers 66/11KV and 4 switchgears for Hawamidia sub-station.
- Testing and commissioning for 3 transformers 66/11KV for Badrasheen sub-station.
- Worked as a witness for all testes at Embaba Airport sub-station.

- Further experiences :**
- Freelance Industrial Automation Engineer (part time).
 - Maintenance Engineer for a soap factory (full automatic lines) (part time).