

Holds a B. Sc. in Mechatronics Engineering and is looking to gain experience in his field of education.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/11/1993  
Gender : Male  
Marital Status : Single

## **EDUCATION**

: B. Sc. in Mechatronics Engineering, Alexandria Higher Institute of Engineering & Technology (AIET), 2017

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
French : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD  
: Solid Works  
: Adobe Photoshop & Photo Instrument

## **TRAINING COURSES AND CERTIFICATIONS**

: Trainings about Thermal Processes, Equipment's Maintenance and Power Plant Operation in Steam and Gas Power Plant, West Delta Electricity Production Company (Jul./Aug. 2014 and Aug./Sep. 2015).  
: Training about Formation, installation and maintenance of pumps, 99-Lenza Egypt (Jul./Aug. 2018).  
: Classic Control:

- Basic & Introduction.
- Classic control Components (Sensors, Timers, Relays).
- Classic control circuit design.
- Motor control (Starting and Speed).

  
: Testing and Commissioning of Substations:

- Introduction to industrial substations:
  - Substation in electrical power system.
  - Air Insulated Substations (AIS) & Gas Insulated Substations (GIS).

- Components of MV & LV switchgears.
  - Other s/s equipment (Transformers).
  - Compact Substations (KIOSKS).
- : Fire Fighting System:
- Introduction to firefighting systems and components (Sprinklers, Zone control valve, Fire pumps).
  - NFPA standers & Codes for designs.
  - Manual and automatic firefighting systems.
  - Hydraulic calculations using fire elite software.
- : Vibration Analysis (CAT I):
- Introduction to vibrations:
    - Mechanical vibrations.
    - Vibration analysis – a key predictive maintenance technique.
  - Measuring parameters and vibration:
    - Oscillatory motion, acceleration, velocity and displacement.
    - Location and direction of motion.
  - Common vibration problems: Unbalance, ben shaft, misalignment, resonance and electrical problems.
  - Special part problems:
    - Journal and roller bearing problems.
    - Pump and gear train problems.
- : Gas Turbine Operation and Maintenance:
- Components and types of gas turbine.
  - Advantages and disadvantages of gas turbine.
  - Thermal cycle for gas turbine.
  - Work and maintenance for gas turbine.
- : Occupational safety and health specialist from NIOSH:
- Objectives and legislation for Occupational safety and health.
  - Committees for occupational safety and health.
  - Insurance of work injuries, risks and medical examinations.
  - First aid.
  - Physical, Chemical, Mechanical, Electrical and Biological hazards.
  - Fire Fighting and Emergency Plan.
- : ISO 45001-2018: Occupational health and Safety management system (Awareness).