

## **Personal Information :**

**Name** :EL\_WASEEM Ahmed Abdel Rahim Ahmed  
**Address** : Egypt – Cairo– Al Mokattam.  
**Date of Birth** : 04/06/1995  
**E-mail** : waseama240@gmail.com  
**Mobile** : +201119826918 OR 01028098853  
**Military Status** : Finished  
**Marital Status** : single



## **Education :**

### **Bachelor of Electrical Engineering**

International Academy of Engineering and Media Sciences, 6th of October City

**Graduation Date:** June 2019

**Grade:** Very Good

**Graduation Project:** *Full Automation in Driverless Trains: A Microcontroller-Based Prototype* (Excellent)

### **Preparatory Master's Program**

Cairo University

**GPA:** 3.6

## **Skills:**

### **Courses :**

- High voltage engineering, Electric power cables, AutoCAD, DIALux ,Etap.
- Automotive Mechanics, Electrical distribution, Ecodial.
- Classic Control, Arduino, PLC, SCADA System, ASD (Inverter).
- Motor Drives (3-φ Induction Machines & DC Machines)
- Soft Skills, Self-Management, Earthing system.

### **Languages :**

- Arabic : Mother Tongue,
- English : Good Reading, Writing, Conversation,

### **Computer :**

- Professional User, ICDL Modules
- Professional User, Computer language (java,c#,ladder).

## **Experiences:**

- **Position** : **Maintenance Engineer.**
- **Company** : American Metal.
- **Period** : From 01/03/2018 – Till 01/09/2019.
  
- **Position** : **Site engineer.**
- **Company** : **Madkour** Contracting Company.
- **Period** : From 03/12/2020 –Till 10/06/2021.
  
- **Position** : **Maintenance Engineer.**
- **Company** : Red Sea Water Technology.
- **Period** : From 16/06/2021 – 16/10/2021.
  
- **Position** : **Teaching Assistant (TA).**
- **University** : International Academy of Engineering and Media Sciences,6<sup>th</sup> of October City.
- **Period** : From 2/01/2022 – Until now

## **previous works:**

### **Project Title: Madkour Projects**

Connecting (Cairo east s/s ) to (mostasmrin sw/s) by 220kv U.G cables

### **Project length**

Four kilometers

## **Supervised Graduation Projects**

- Fault Detection and Classification in Microgrids
- Optimal Placement of FACTS Devices in Electrical Power Systems
- Cathodic Protection System for a Marine Port
- Cathodic Protection for SOMED Oil Pipeline Network
- 2 of 3 Switchgear

## **Courses Assisted as Teaching Assistant**

-Power Electronics  
- Electrical Installation  
- Electrical Machines  
- Research Project

- Automatic Control  
- Energy Conversion  
- Electrical Circuits  
- Industrial Systems

- Power System  
- Protection  
- Graduation Project  
- Electrical Systems

## **Quality Assurance Activities**

- Actively participated in implementing and monitoring all quality standards related to the Electrical Power and Machines Department.
- Contributed specifically to standards concerning the Program's Objectives and Mission, Graduates' Criteria, and Enhancement and Development.
- Demonstrated ability to effectively work across all quality assurance criteria to support continuous improvement and departmental excellence.

## **Published Research Papers**

- *Day-Ahead Optimal Scheduling for Grid-Connected Microgrid with Energy Storage Systems*,  
The Second Scientific Conference, International Academy of Engineering and Media Sciences, 2024
- *Faults Detection and Diagnosis of Transmission Lines using Gaussian Naïve Bayes*,  
The Third Scientific Conference, International Academy of Engineering and Media Sciences, 2025
- *High-Performance Direct Torque Control of Induction Motor Drives: A Comparative Study of Hysteresis and Space Vector Modulation Schemes*,  
Submitted to *Shubra Journal*, 2025

## **Training:**

- Jelecom engineering training company.	(21/01/2018-03/02/2018)
- Media Production City.	(10-07/2018-31-7/2018)
- Media Production City.	(01-08/2018-30-8/2018)

## **Personal Skills:**

- Ability to work hard and work under pressure,
- Ability to harmony with team work,
- Have the soul of leadership and responsibility,
- Ability to Self-Learning and quick learning.

***- Please feel free to request any documents or supporting evidence at any time.***