

Ahmed Mostafa Hafez Younes

Electrical and Control Engineer

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Personal Data:

Date of Birth: Dec29th, 1993

Nationality: Egyptian

Marital Status: Single

Military Status: Finished

(10/2011 – 5/2016)

University Education

Graduated from the “Faculty of Engineering – Electrical and Control Department” at Arab Academy for Science, Technology & Maritime Transport (AASTMT)

•**Bachelor's Degree: Very Good with Honor Degree**

•**GPA:3.3**

Graduation Project

“Implementation Of Energy Management System using Control Technics In Our Live “

This project presents a full energy Management System in small model of smart city systems like (smart traffic – smart pumping system – smart HVAC system – smart agriculture) which is controlled by PLCs , Drives , DCS and microcontroller Based and all systems are supervised by SCADA and HMIs , in order to save energy

Project scope

- Using control methods to save energy
- Making a Network of (**PLCS** , **HMIS** , **SCADA** , **Drives**) to make a complete **DCS** to control and supervise all city systems
- Implement speed control technics on induction motors in city like HVACs and pumps by drives (**VSD**)
- Use HMIS to supervise, start and stop each system (In field)
- Implement Emergency Shut Down (**ESD**) System to whole systems in city
- Use classic control to make and connect **ATS** to important loads in city

•**Excellent** in Graduation project assessment. (**Grade: Excellent 95%**)

Training Experience

- Trainee at the Egyptian Petrochemical Company (Training at the electrical power station of the company) **Jul 2012-Aug 2012**
- Trainee at the Egyptian Petrochemical Company(Training at the control station of the company) **Jul 2013-Aug 2013**

- Trainee at LORD Corporation (Training on razor blade manufacturing control process and at control stations) **Jul 2014-Aug 2014**
- Trainee at the Abuqir Petroleum Company (Training at the electrical power station of the company) **Jul 2015-Aug 2015**
- Graduate Trainee at marsilia group (In this training I train on all low voltage system Components started from Distribution Transformer to the Load) **Oct 2016- Dec 2016**

Electrical Certificates:

- Diploma in power system distribution (at Arab academy for science,technology &maritime transport)
- Electrical Installation from EGYCET (Egyptian company for engineering training)
- Diploma in automation from OGS (Oil and Gas Skills)
- Classic control (Egyptian company for engineering training)
- Plc programming basic s71200 (Egyptian company for engineering training)
- Plc programming advanced s7300&s7400 (Self Study)
- Scada system (at Arab academy for science,technology &maritime transport)
- HMI (Self Study)

Recognition Certificates for Voluntary Work & Organizing Events:

- **Robotics Workshop** (IEEE AAST Student Branch).
- **Leading Your Career, Leading Your Society Venture** (IEEE AAST Student Branch).

Activities:

- Volunteer in **IEEE - AAST Student Branch** (From Sept 2011 - June 2014).
- Head Of Sports Committee In **AAST Student Council**
- Member in **IET - AAST Student Branch** at (Volunteer Work), **10/2014 to 1/2015**

Qualifications:

Computer Skills:

- Microsoft office (word - power point - excel)
- DIALUX (indoor - outdoor)
- Zelio (Schneider software for PLC)
- EKTS (classic control simulator)
- SIMATIC MANAGER (siemens software for PLCS and Drives)
- WINCC FLEXIBEL (siemens software for HMI and screens)
- TIA PORTAL (advanced siemens software for PLCS , Drives, HMI and Screens)
- AUTOCAD
- ELECTRIC CAD (for power & control circuits drawings)
- PROTEUS AND ARES (for logics simulations and PCBS making)
- ETAP (for short circuit and voltage drop circuit analysis)

Other Skills:

- Communication skills & communicating across cultures.
- Self-study.
- Presentation skills.
- Problem solving techniques and managing conflicts skills.
- Effective time management.
- Negotiation skills.

Languages:

- **Arabic:** Mother Tongue (Read, written and spoken)
- **English:** Very Good (Read, written and spoken).
- **German:** Beginner

Interests:

- Volunteering work and organizing events.
- Reading.

All references will be furnished upon request