

# Mohamed Hamza Moktar El-Messmary

**Address:** Galal Eldesoky St., Wabor Elmaya, Alexandria, Egypt.

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## Personal Data:

- **Date of birth:** 06/06/1995
- **Nationality:** Egyptian.

## Education:

- **Bachelor of Engineering** | | Arab Academy of Science and transportation.  
September 2013 - June 2018.  
Electrical and Control Department.
- **Graduated from** El Nasr Boys' School (EBS). (2013).
- **Total grade:** Excellent (GPA: 3.95)
- **Project:** Solar powered Air-conditioning system
- **Project grade:** A+

## Work Experience:

- ❖ Teacher assistant in Electrical and control department (AAST Abu Qir Campus)

### Courses taught:

- EE 417 (Automatic control for mechanical department)
- EE 418 (Automatic control for marine, electronics and computer departments)
- EE 311 (Fundamentals of control)
- EE 322 (Electrical machines 2)
- EE 329 (Electric Machines)
- EE 521 (special Machines)
- EE 231 (Electric circuits 1)
- EE 232 (Electric circuits 2)
- EE 238 (fundamentals of electric circuits)

### Administrative work

- Establishing courses schedule
- Establishing final exam schedule
- Establishing Final exam observers table
- Registration and guidance for students
- Collecting and sorting Iso files in circuit courses group

- ❖ Designing of Solar Powered-Air conditioning System.

- Designing of the PV system using Pv Syst Program.
- Selection of PV, Batteries and Inverter.
- Installation of the system by connecting the PVs, Batteries, Inverter and the Air conditioner.
- Providing a cost analysis study on the project to obtain the annual savings and the Payback Period.
- Design an Energy Management technique for this system.

## Computer Skills:

- MATLAB
- ASC Timetables (Roz File)
- PV Syst
- HOMER
- ETAP
- SAM
- Code Vision AVR
- MS Power point
- MS Word

## Qualifications:

- Extrovert personality with good communication skills, capable of maintaining good colleagues' relationships.
- Good command of English language (written and spoken).
- Military status: exempted.
- Family Obligations: None.

## Extracurricular activities:

- Participated as a member in AAST Student Council. (2017-2018)

## Trainings:

- Maintenance Internship from Petromaint in ELAP. (2016)
- Maintenance Internship from Petromaint in Medor. (2017)
- Technical Internship at Elalamiah for Renewable Energy Systems. (2018)
- SGT-719 Power Control in smart grid (Smart grid technology a Master program, Aswan University). (2019)

## Reference:

Prof. Mostafa Saad Hamad

- An associate professor at Electrical and Control Engineering Department, Arab Academy for Science, Technology and Maritime Transport.

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