

# Curriculum Vitae

## Personal Data

Name : Ahmed Hassan Hammam Hussein  
Address : Electrical Engineering Department,  
Faculty of Engineering, Assiut University,  
Assiut, 71516, Egypt.  
Current Job : Teaching Assistant.  
E-mail : [ahmedhammam466@aun.edu.eg](mailto:ahmedhammam466@aun.edu.eg)  
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Nationality : Egyptian  
Date of Birth : 24/1/1997  
Military Service : Completed



## Research Interests

Electrical power engineering, Smart grid, Power quality, Renewable energy, Optimization, Energy management, Electric vehicles, Power electronics, Photovoltaic systems and Renewable energy.

## Education:

- 09/2021 – 02/2024 **M.Sc.** in Electrical Engineering (Power and machines)  
Electrical Engineering Department, Faculty of Engineering, Assiut University,  
Assiut, Egypt.  
*Thesis title: Optimal Design of Sizing and Allocations for Highway Electric  
Vehicle Charging Stations Based on a PV System.*
- 09/2015 – 07/2020 **B.Sc.** degree in Electrical Engineering (Power and machines).  
Electrical Engineering Department, Faculty of Engineering, Assiut University,  
Assiut, Egypt. *Average GPA: (3.6/4) | Project grade: Excellent with honors. |  
Rank: 1<sup>st</sup> among 110 students.  
| Graduation Date: July 2020  
Project title: Smart Power Factor Correction Panel for Improvement of  
Distribution Grid Power Quality.  
Graduation project grade: Excellent with honors (Grade: 4/4)*

## Work Experience

- 12/2021 – Now Electrical Engineering Department, Faculty of Engineering, Assiut University,  
Assiut, Egypt.  
Research & Teaching Assistant
- 10/2022 – Now A researcher in a funded sustainability project with the title “Zero energy  
consumption building at Assiut university using green energy resources”.
- 07/2019 – Now A researcher at smart grid laboratory, electrical department, Assiut university.
- 07/2019 – 07/2020 A researcher student in a funded project with the title” Smart Monitoring  
System for Distribution Power Grid”. The project was funded by the National  
Telecommunication Regulation Authority “NTRA” (2018-2020).

## **Publications:** (Hint: my name is marked in bold)

1. **Ahmed H. Hammam**, Mansour A. Mohamed, Mohamed A. Nayel, "Optimal Allocation and Sizing of Electric Vehicle Charging Stations on Highways, "GCC POWER 2022 CONFERENCE, Riyadh, Saudi Arabia, November 14-16, 2022, Asset Management for Power Systems, pp. 768-779.
2. **Ahmed H. Hammam**, Mansour A. Mohamed, Mohamed A. Nayel," Optimal Design of Sizing and Allocations for Highway Electric Vehicle Charging Stations Based on a PV System," Applied Energy, vol. 376, p. 124284, 2024, doi: [10.1016/j.apenergy.2024.124284](https://doi.org/10.1016/j.apenergy.2024.124284).

## **Training**

7/2018 –9/2018	Upper Egypt Electricity Production (generation plants) <i>Assiut, Egypt</i>
7/2019 – 10/2019	I-Design Electrical Diploma (Electrical design and power distribution)
7/2023 – 9/2023	Fundamentals of digital transformation
7/2023 – 9/2023	Training programs at faculty and leadership development center, Assiut uni.

## **Skills**

- Programming using MATLAB.
- Microsoft Office programs (Word, Excel, Visio and Power Point).
- Simulation using ETAP, MATLAB Simulink, PowerWorld simulator, PLECS, and PSCAD.
- Self-Learning.
- Teamwork, presentation skills and creative thinking.

### **LANGUAGES:**

- Arabic: mother tongue.
- English: B2 (**ELPT score: 93/100**).
- Deutch: B1.

## **Activities and Volunteering**

2018/2020	HR member at ENACTUS AU (NGO)
2019/2020	HR manager of Engineering for life scientific association (ELSA) Assiut (NGO).
2021	Member of organization committee at 22 <sup>nd</sup> International middle east power systems (MEPCON) conference. (Session organizer for power systems I and high voltage I sessions).

## **REFERENCES**

**Prof. Mohamed Nayel**, Professor

Head of Electrical Engineering Department, Assiut University, Assiut, Egypt.

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**Dr. Mansour Ahmed Mohamed**, Assistant Professor

Electrical Engineering Department, Assiut University, Assiut, Egypt.

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