

## Curriculum Vitae (CV)

### Personal Information:

**Ahmed Wafdy Sayed Ahmed**

**Mobile/WhatsApp: +20/ 01221934564**

**Email**                      **ahmed\_wafdy@hti.edu.eg**

**Academic Rank:**    **Assistant Professor**

**Department:**        **Mechanical Engineering**

**Specialization:**    **Mechanical Power Engineering**

**Position:**            **Lecturer**

**Research Gate:**    **<https://www.researchgate.net/profile/Ahmed-Wafdy>**

**ORCID Record:**    **<https://orcid.org/my-orcid?orcid=0000-0002-9494-4584>**



## Education:

Degree	Discipline	Institution	Year
Ph.D.	Mechanical Power	Shobra Faculty of Engineering BANHA UNIVERSITY	2023
M.Sc.	Mechanical Power	Shobra Faculty of Engineering BANHA UNIVERSITY	2017
B.Sc.	Mechanical Power	Higher Technological Institute	2010

## Academic Experience:

**Institution:** Higher Technological Institute - 6<sup>th</sup> of October branch

**Rank:** Lecturer

**Dates:** 2023 till now

**Institution:** Higher Technological Institute - 6<sup>th</sup> of October branch

**Rank:** Research Assistant (PhD student)

**Dates:** 2017-2023

**Institution:** Higher Technological Institute - 6<sup>th</sup> of October branch

**Rank:** Teaching Assistant

**Dates:** 2010 to 2016

## Research interests:

- Heat Transfer applications
- HVAC
- Nanofluid Materials
- Power plants
- Nanotechnology applications in HVAC

## **Publications:**

- Eed A. Abdel-Hadi<sup>a</sup>, Sherif H. Taher<sup>b</sup>, Samar Sabry Hamad<sup>c</sup>, Ahmed Wafdy Sayed<sup>d</sup> “ Enhancement of Evaporating Heat Transfer Coefficient Using Nano Fluids”, Engineering and Scientific Research Journal (ESRJ), Shoubra Faculty of Engineering, 2016.
- Eed A. Abdel-Hadi<sup>a</sup>, Sherif H. Taher<sup>b</sup>, Ahmed M. Hussein<sup>c</sup>, Ahmed Wafdy Sayed<sup>d</sup> “ Influence of Nanoparticle Sizes Added to Refrigerant on the Evaporative Heat Transfer Coefficient of the Cooling Systems”, Engineering and Scientific Research Journal (ESRJ), Shoubra Faculty of Engineering, 2022.
- Eed A. Abdel-Hadi<sup>a</sup>, Sherif H. Taher<sup>b</sup>, Ahmed M. Hussein<sup>c</sup>, Ahmed Wafdy Sayed<sup>d</sup> “ Heat Transfer Enhancement Using Different Nanofluid Materials in the Vapor Compression Refrigeration Systems”, Engineering and Scientific Research Journal (ESRJ), Shoubra Faculty of Engineering, 2022.

## **Certifications or Professional Registrations:**

### **Honors and Awards:**

- **Best faculty teaching staff in the Mechanical Department honoring the Student Union 2014**
- **Best faculty teaching staff in the Mechanical Department honoring the Student Union 2015**

## Teaching Experience:

### Courses taught

- Mechanics A
- Mechanics B
- Mechanics C
- Refrigeration and Air Conditioning
- Thermal Power Plants
- Thermodynamics A
- Thermodynamics B
- Heat Transfer
- Renewable Energy
- Engineering Drawing & projection A
- Engineering Drawing & projection B
- CAD & CAM (Solid Works software)
- Computer-aided design (AutoCAD)
- Introduction to drawing (Solid Edge software)
- Professional Ethics
- Environmental Impact of Projects
- History of Engineering and Technology
- Production technology