Curriculum Vitae

- **Name: ESLAM AHMED ABDEL-AZIZ**
- **Title: Lecturer**
- **Department: Mechanical Engineering Department**
- **E-mail: eslam.ahmed@su.edu.eg**

A) Academic Qualifications:

- Bachelor's Degree in **Mechanical Engineering** University: **Sinai University** Year:…2011.

- Master's Degree in **Mechanical Power Engineering** University: **Port said University** Year:…2018..

- Ph.D. in **Mechanical Power Engineering**. University: **Suez Canal University** Year:…2023…..

B) Academic promotions:

- Demonstrator, Date:…8-10-2011……

- Assistant Lecturer, Date:……1-4-2018……

- Lecturer, Date:……1-6-2023……

D) Academic Administrative Experiences:

1- Sinai University in El Arish City

- Faculty of Engineering, Mechanical Power Engineer Demonstrator (From 8-10 -2011 until 17-2-2018)

- Assistant Lecturer-Mechanical Power Engineering (From 18-2-2018 until 31-5-2023)

- Lecturer-Mechanical Power Engineering (From 1-6-2023 until now)

E) Scientific Activities

1: Training Courses/workshops:

1- Baher-Elbaqer irrigation stations.

-Training in Hydraulic Machines and Control Systems for all types of pumps

- Maintenance of all pumps and installation of them

2- Authority of mechanical and electricity. Training in Hydraulic Pumps (Irrigation pumps).

3- Private workshops for fixing and maintenances cars (Diesel and Gasoline cars).

4- Practical and Theoretical Course in Hydraulic Systems in Maz Training Solutions Center.

5: Scientific supervision number:

- General Supervisor of Mechanical Power Engineering Laboratories.

- General Supervisor of Engineering Workshops, Faculty of Engineering Sciences, Sinai University.

- Designing of mechanical Department Tables for The Students.

- Academic Guide for The students, Faculty of Engineering Sciences, Sinai University.

- General supervisor of the graduation projects in the mechanical power department especially the renewable energy projects.

- A Reviewer at Solar Energy Journal.

10: Consultancy Experience:

- Design Scientific Equipment for Mechanical Engineering Laboratories.

- Fluid Mechanics. **- Thermodynamics.**

- Thermal Engineering. **- Mechanical Measurement.**

- Heat Transfer. **- Engineering Materials.**

- Refrigeration Equipment **- Renewable Energy**

- Hydraulic Machines **- Hydraulic Systems**

11: Other Activities:

- Design Pipe Line Network Systems using

WATER CAD V8 XM Program, HAMMER V8 XM Program and Epanet software

- Design Transmission Lines (Water and Oil)

- Hydraulic circuits maintenance (pumps and hydraulic motors)

- Design and Fabricating Any Types of solar Stills

F) Scientific Publications:

Last 10 year of published Scientific Papers

-International journals

Eslam Ahmed Abdel-Aziz, Tamer M Mansour, Mohamed M Khairat Dawood, Tamer M Ismail, Khaled Ramzy Exergoeconomic and enviroeconomic evaluations of conventional solar still using PCM and electric heater powered by solar energy: an experimental study Environmental Science and Pollution Research (30) 66135-66156

Eslam Ahmed, Khaled Ramzy, Tamer M. Mansour, Tamer M. Ismail, Mohamed M. Khairat Dawood Solar-still-performance-with-heat-transfer-and-cost-analysis-A-Review AJER (9) 307-329

- National journals

AM Mohamed, Abd El-hamid, Amany M Saif, Abd El-azizAn Experimental Study of Performance of Water Stirring Solar Still Port-Said Engineering Research Journal (22) 120-12

H) Skills

- Language Skills: English and Arabic

- Computer Skills:

- Grapher10. **- Solid Work and Smart Draw**

- AutoCAD 2004, 2006. **- Visual C++ Language.**

- Office 2000-2016.

- Engineering Equations Solver (EES). **- PicoLog Recorder software.**

- ScinceCube Studio software. **- ANSYS 19.3.**

- Other skills

-Temperature Measuring Techniques.

- Pressure Measuring Techniques.

- Digital Systems (using Lab View Program).

- Wind Velocity Measurements.

- Intensity of Solar Energy Measurement Techniques.

- Identifying The Technical Problems with Cars Engines Gasoline and Deasiel Engines and Ability to Fix Them.