



# Egyptian Academy for Engineering & Advanced Technology

**EAE&AT**

01

About The Academy

02

Learning  
objectives

03

A look at Our Buildings

04

Protocols &  
Activities



## Introduction

Egyptian Academy for Engineering & Advanced Technology (EAE&AT) is a non-profit institute affiliated to Ministry of Military Production and under supervision of Ministry of Higher Education and Scientific Research in Egypt.



Graduate distinguished engineers capable of satisfying the needs of the labor market to develop the national manufacturing and production systems. Achieve continuous development and quality assurance through an integrated system to compete in local, regional, and international levels.



**EAE&AT** is a distinguished institute in engineering sciences and advanced technology in local, regional, and international levels aiming to achieve sustainable development through the improvement of manufacturing and production systems.



**Ethics**



**Learning not Teaching**



**Hard work**

**OUR VALUES**



Prepare  
distinguished  
graduates with  
excellent ability in  
problem solving and  
engineering design.



- Learn Advanced Technologies and carry out research, innovation, and discovery.
- Contribute in the community service and work to resolve the industrial, economic and developmental problems.



Acquire behavioral  
standards and ethics  
for engineering  
profession.



### **Electrical Engineering**

Electronics &  
Communications  
Engineering Program  
(170 C.hrs)



### **Mechanical Engineering**

Mechatronics  
Engineering Program  
(170 C.hrs)



### **Chemical Engineering**

Chemical Engineering  
Program  
(170 C.hrs)



# The Engineering Labs.

المعامل الهندسية





- Electronic circuits Lab.

## Antenna Measurement



**Star Lab.**

**Desk Top**

## Microwave Circuit Measurements



**Microwave Signal Analyzer**



**Microwave Signal Generator**



**Time Domain Microwave Analyzer**



**Noise Signal Generator**

- **Microwave Measurement Lab.**



PLC Lab

معمل التحكم الآلي

Fluid mechanics lab

معمل ميكانيكا الموائع



# The Chemicals Labs.

المعامل الكيميائية







Polymer Lab

معمل البوليمرات

Inorganic chemistry lab

معمل الكيمياء الغير عضوية





Environmental Eng. Lab

معمل هندسة البيئة



CNC lab

معمل الماكينات الرقمية

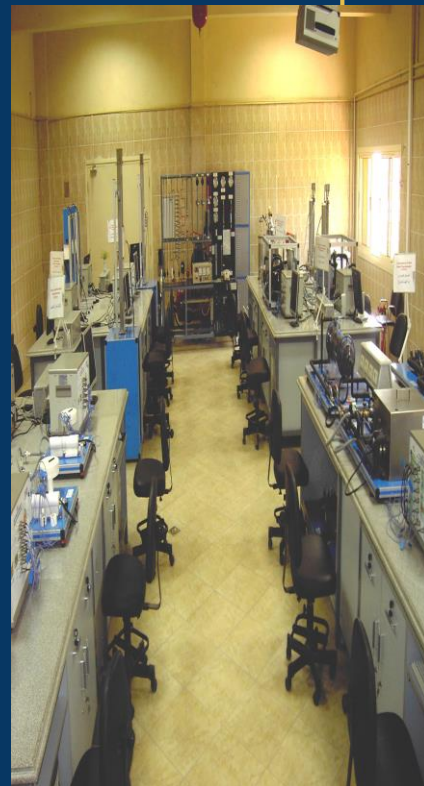


**Mechatronics Lab**

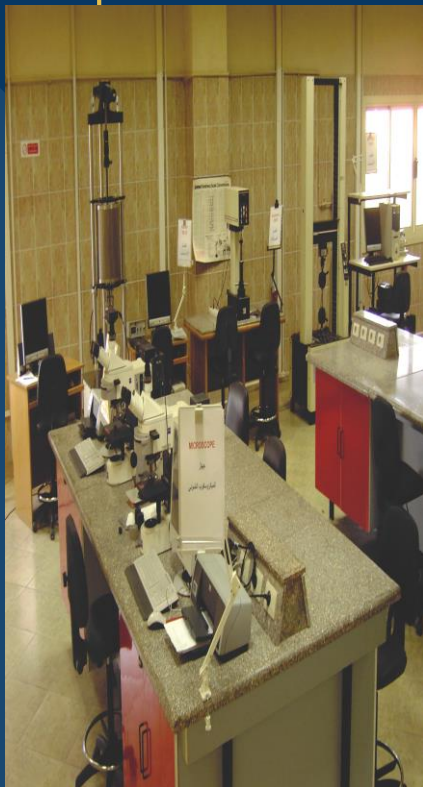
معمل الميكاترونكس

**Thermal transfer lab**

معمل الإنتقال الحرارى







Materials Test Lab

معمل اختبار المواد

Chemical Eng. Lab

معمل الهندسة الكيميائية





- Fiber Optics Lab.

# Academy building



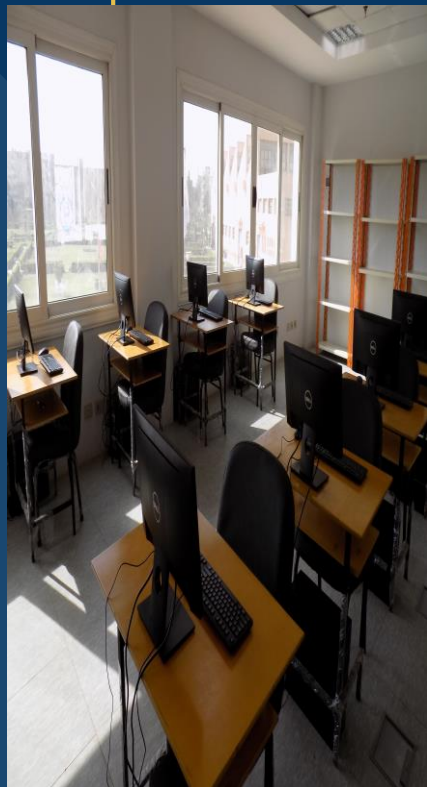




**LabView Lab**

**Mechatronics Lab**

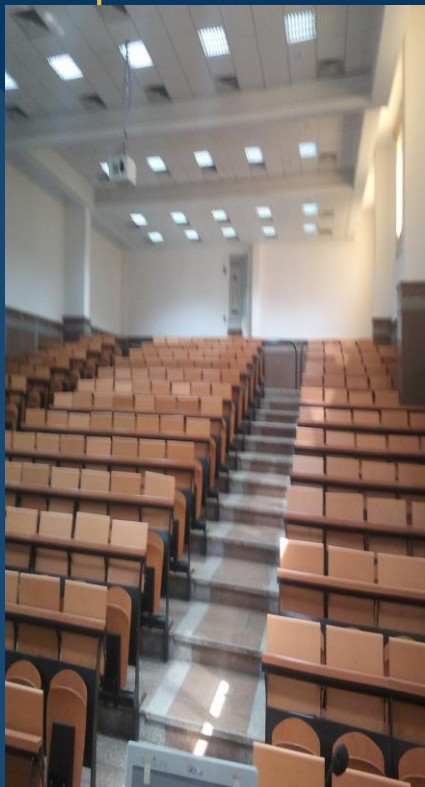




Computer Lab



Creativity Lab



Lecture Hall



Lecture Hall

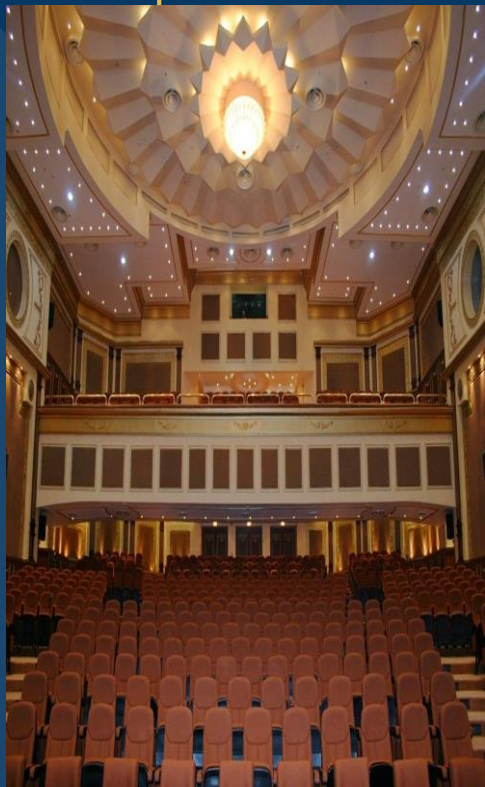


Library



Medical clinic





**Theater**  
**(802 chairs)**

## **Al-Salam Stadium**



**Academy building**



Indoor Hall

GYM Hall



Academy building



- Sports day at the Academy





- International Cooperation Protocol  
(Amity University - India)



- Cooperation Protocol (Cairo University - Egypt)



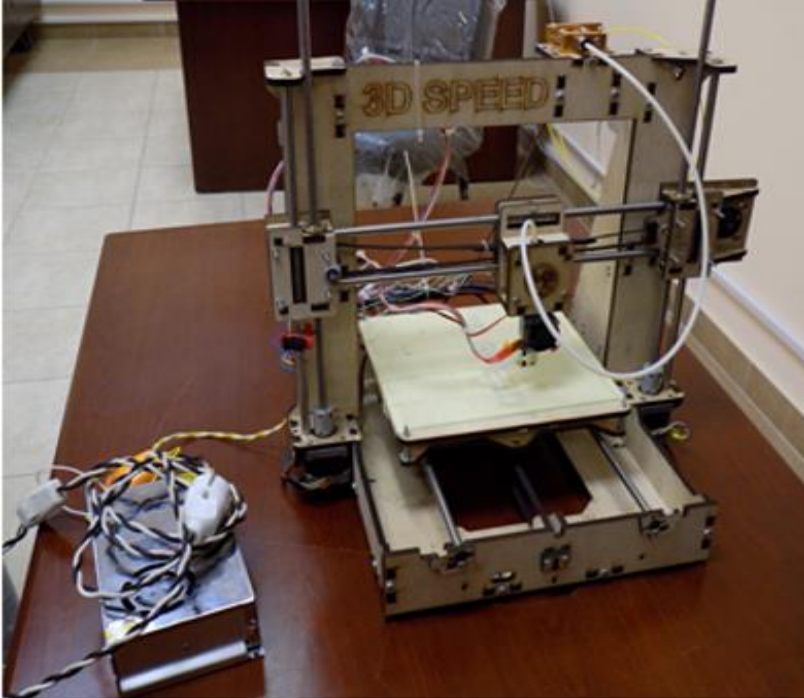
- Cooperation Protocol (Ain Shams University - Egypt)





- Industrial Training – NOMP Factories



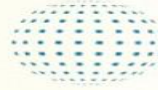


- 3D Printer



- Radar system using Arduino

# AIChE



The Global Home of Chemical Engineers

*Hereby certifies that as of July 2018*

***Egyptian Academy For Engineering and Advanced  
Technology***

*Officially achieved Student Chapter status in  
The American Institute of Chemical Engineers*

*Christine B. Seyoum*

*President, American Institute of Chemical Engineers*



*Rand Dixon*

*Chair, International Student Chapters Committee*

- AICHE Member





- International Competition E-cars  
(Shell Eco-Marathon 2019)



## CERTIFICATE OF RESULTS

PRESENTED TO

**Arrow Racing Team**

**Egyptian Academy for Engineering and Advanced  
Technology**

In recognition of your exceptional work in vehicle **design, fabrication, testing**  
and successful completion of the **TECHNICAL INSPECTION**.

*Shanna Simmons*

Shanna Simmons  
Global Technical Director  
Shell Eco-marathon

## DRIVING INNOVATION

Shell Eco-marathon challenges student teams from around the region to design,  
build, test and drive ultra-energy-efficient vehicles.



- International Competition E-Cars  
(Shell Eco-Marathon 2019)

March 5, 2019.

To whom it may concern,

This letter to clarify that Eagles Robotics Team, representing Egyptian Academy for Engineering and Advanced Technology Ministry of Military Production, has won the 4th place in X-Zone competition organized and powered by Minesweepers Competition during Maker Faire Cairo 2019 activities, March 2, 2019.

Please do not hesitate to contact me through this email:  
**Omar@LandmineFree.Org** if you have any questions.

Minesweepers Egypt Executive Manager



Omar Mohamed



- International Competition In Robotics

Ministry of Military Production  
Egyptian Academy  
For Engineering & Advanced Technology  
Under Ministry of Higher Education's Supervision



**First National Competition**  
for Industrial Robotic Applications  
Under the auspices of  
The Ministry of Military Production



**19756**

3<sup>rd</sup> KM Cairo Belbis Desert Road - Next to Al Salam Stadium  
Al Salam City .

[www.eaat.edu.eg](http://www.eaat.edu.eg)

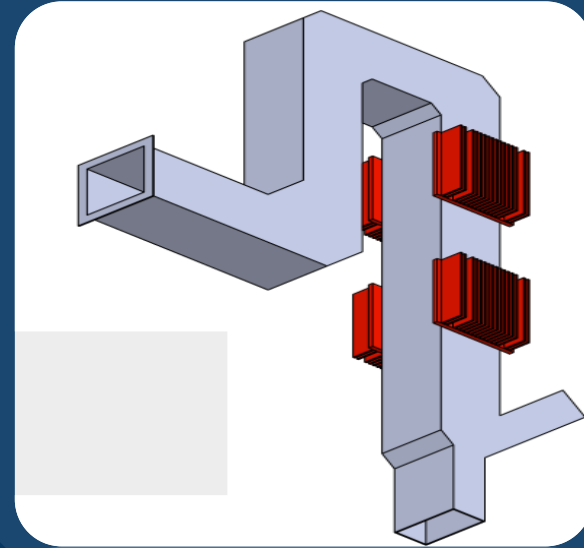
Mob / 01004540530

- Organizing National Competition in  
**Robotics**



## Research groups in:

- **Water resources and treatment**
- **Renewable Energy**
- **Industry 4.0**



Atmospheric water Generator using TEC Technology

### Important Dates

**Abstract Deadline**

**July 31, 2019**

**Notification of Acceptance**

**September 30, 2019**

**Full Paper**

**October 1, 2019**

**Registration**

**October 30, 2019**

**Event Date**

**December 24 - 26, 2019**

Under the auspices of  
**Ministry of Military Production**



### Steering Committee

**USA Co-Chair**

**Prof. Mohamed Attalla, (AEAS)**

**Canada Co-Chair**

**Prof. Naser El Sheimy, (AEAS)**

**Egypt Co-Chair**

**Prof. Wahied G. Ali Abdelaal, (EAE&AT)**

**Chair Financial Affairs**

**Prof. Adel Talaat, (AEAS)**



**46<sup>th</sup> Annual International Conference**

**for the**

**Association of Egyptian-American Scholars**

**"Sustainable Development in Egypt  
Tomorrow's Innovative Advancements"**

**December, 24 - 26, 2019**

**3<sup>rd</sup> KM Cairo - Belbies desert road  
Al Salam, Cairo, Egypt**

### Contact Details



**[www.aeascholars.org](http://www.aeascholars.org)**



**[www.eaeat.edu.eg](http://www.eaeat.edu.eg)**



- Sustainable Development in Egypt  
Tomorrow's Innovative Advancements  
(December, 24-26, 2019)**



# Thanks for your attention!



wahied@eaeat.edu.eg

www.eaeat.edu.eg

19756