



AAST MECHATRONES

Documentation of achievements

VISION

Students usually have high spirit and motivation that excites the creativity of their ideas, However, a guided dedication of these ideas to an entrepreneurship level might result success beyond the expectations, furthermore, the educational process is not likely to be monopolized by Formal ways of education. Finally, the Mechatronics engineering field is wide and consisted of a variety of sciences that are committed to the technology market, which requires extra work by mechatronics students.

MISSION

Building a unique engineering mentality, able to lead, manage, and create using all available resources to solve obstacles in our environment using engineering techniques out of the box, which will lead to a highly qualified personality able to compete on strong bases in the entrepreneurship market.



Documentation of achievements

Academic Year 2017-2018

- Winning 3 medals at Robogames 2017 robotics competition

Robogames is the Olympics of Robots which compete in over 50 different events: combat robots, fire-fighters, LEGO bots, hockey bots, walking humanoids, soccer bots, sumo bots, and even androids that do kung-fu. Some robots are autonomous, some are remote controlled. The team won 3 medals for the following:

- Second Place at combat 3lb category and qualifying to Robogames International, USA 2018
- Best Team Spirit
- Best Team cooperation



- 3rd Place- MATE ROV Competition, AAST Regional Competition.

The International ROV competition is organized by the MATE center and held every year in a different state in the United States of America. The MATE Center uses underwater robots – also known as remotely operated vehicles or ROVs – to teach science, technology, engineering, and math (STEM) and prepare students for technical careers. Working in partnership with the Marine Technology Society ROV Committee, MATE created the ROV competition to:

- Engage students in STEM and expose them to science and technology careers.
- Encourage students to develop and apply technical, teamwork, and problem-solving skills

- Provide funds, materials, and technical expertise to support student learning provide industry with skilled individuals who can fill workforce needs.



- A full Scholarship grant for two Team members- Erasmus+ & University of Central Lancashire

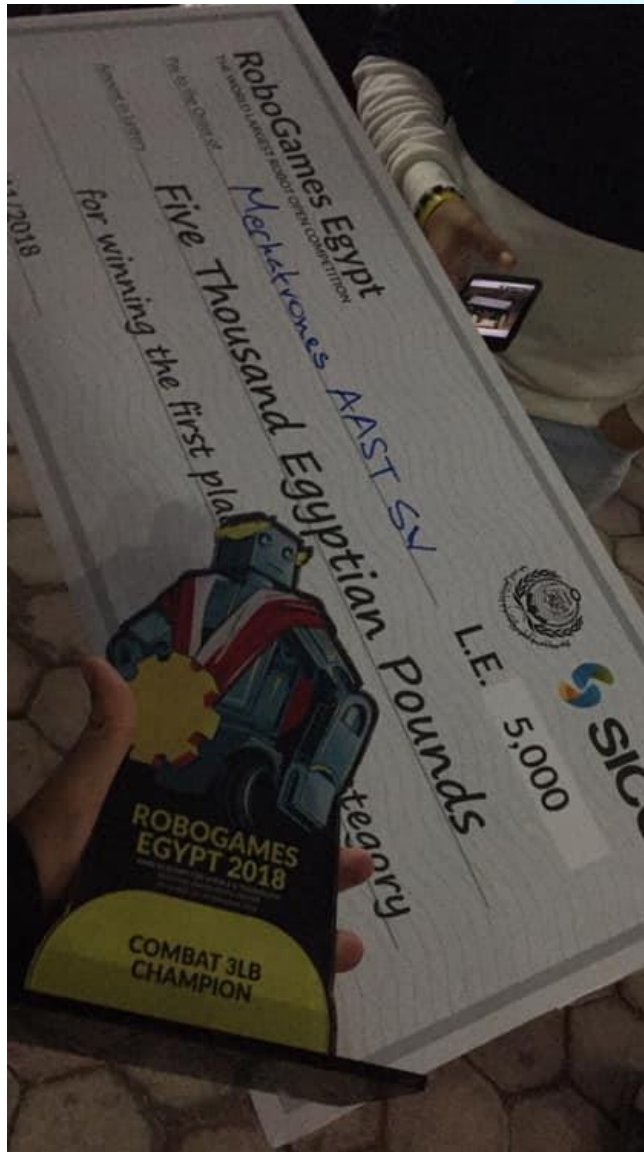
Two team members: Walid Shabrawy and Amgad Ehab had been awarded a fully funded Erasmus+ scholarship for 3 months at University of Central Lancashire, UK on Instrumentation and Control.



Academic Year 2018-2019

- 1st place- Champions, Combat 3lb category, Robogames Egypt 2018

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- 75,000 EGP Funding Grant- Academic scientific research committee (Phases eco-team)

“phases eco- team” a team specialized in building electric vehicles has won the highest possible grant provided by ASRT for the academic year 2018-2019.

- Full Scholarship grant for 3 Team members – Erasmus+ & University of Central Lancashire

3 Team members: Amgad Ehab, Walid Shabrawy, Aly Medhat, had been awarded a fully funded 1 semester scholarship by Erasmus+ at University of Central Lancashire. Moreover, the three team members represented UCLan at the “International MATE ROV Competition” which took place at Tennessee, USA and won the 4th place (world ranking) for the best engineering presentation.



Academic Year 2019-2020

- Best Team spirit Cup, Egyptian Open Robotics Competition.

Won the best team spirit cup by the committee of the Egyptian open Robotics Competition which took place at Pharaohs University, Alexandria.



- RovoSphinx ROV Team and Phases eco- Team selected among top 10 student Activities in Egypt working in the Technology & Industry Field- YLF Leaders League Youth Leaders Foundation-YLF is one of the most recognized NGO's in Egypt working on the empowerment of Youth power has organized the biggest platform for the student activities in Egypt with participation of 300+ student activities in different fields has selected both RovoSphinx and Phases eco- team among the top 10 student activities working in the technology and industry fields. moreover, both teams were invited by YLF Committee to attend the main event which took place at Triumph hotel, November 2020. With the presence of several ministers and Industrial figures.



Academic Year 2020-2021

- RovoSphinx ROV Team invited to “بيك وبيها نبنيها” Radio Program on the National official Radio Station-Radio Masr

Rovosphinx ROV was invited to discuss team's achievements on the Egyptian official radio station- Radio Masr which was considered as a great honor.