

Collaborate of the AASTMT with the NGOs to tackle the SDGs

1. AASTMT organizes and hold vocational courses to achieve one of the sustainable development goals (poverty eradication) in order to provide a profession for the youth with the collaboration of NGOs. (Annex 3)
2. The AASTMT students volunteer in training the school students across Alexandria to qualify them to compete in the following competitions under the supervision of the Human Resources and Training Programs - Ministry of Communications and Information Technology.

2.1. Egyptian Olympiad in Informatics (EOI)

The Egyptian Olympiad in Informatics is an annual contest under the auspices of H.E. Minister of Communications and Information Technology under the supervision of the Human Resources and Training Programs - Ministry of Communications and Information Technology with the cooperation with AASTMT.

2.2. Arab Olympiad in Informatics (EOI)

The AOI consists of several contests among the high school and first year university students. Students compete in solving some real live problems using computer algorithms techniques. AASTMT participated in several events over the years. This finally led to the idea of organizing a national contest in the same sense in the Arab region. Informatics contests drew increasing attention in the last few years due to the need of preparing a new generation of students that are not just good users of technology but creative in the field as well.

2.3. International Olympiad in Informatics (EOI)

The IOI is one of five international science Olympiads. The primary goal of the IOI is to stimulate interest in informatics (computing science) and information technology. Another important goal is to bring together exceptionally talented pupils from various countries and to have them share scientific and cultural experiences. The IOI is organized annually by one of the participating countries. Each participating country typically sends a delegation of four pupils and two accompanying adults to participate in the contest. During the test, the contestants compete individually and try to maximize their scores by solving a set of informatics problems during two competition days, each of five hours. The problems have been algorithmic programming problems to be solved on a personal computer. Cultural and recreational events are organized on the remaining days.

<https://www.facebook.com/eoi.eg>

3. AYB-AAST is a Franchise of AYB-SD at AAST (Sheraton, Cairo branch):
 - a) Alshank Ya Balady (AYB) is one of the most significant student activities in almost all the Egyptian universities. It has started over ten years ago in 2010. AYB is working on achieving SUSTAINABLE development for many poor areas in Egypt. AYB- AAST is developing the area of “Bolaq abo El-Ala”, a very poor district in Egypt. AYB is trying to help in enhancing the living standards, moral qualities, and educational skills of the people there through many communities and programs.
 - b) Programs description: There are four programs in AYB organization, which are youth development program, loans and employment program, illiteracy education program and charity program.
 - i) Youth Development Program (YDP) Program:

Youth Development Program (YDP) is a program that works on the development of children and youth in Bolaq district. By educating, developing and enhancing the moral and esthetic in youth and motivate a right way of thinking, manner and starting new life all in a creative, funny and sustainable way.
 - ii) Loans and Employment Program:

Loans and employment team works on providing job opportunities to the people in Bolaq district. They provide them with micro loans to help them in starting a small project to help them enhance their living standards. Moreover, they gain some soft skills such as time management, self-management, Verbal communication, responsibility, and social skills.
 - iii) Illiteracy Education Program:

This program aims to educate the kids in Bolaq district and eliminate the illiteracy rate in Bolaq. This goes through teaching them the basics of Arabic reading and writing.
 - iv) Charity Program:

This program works on providing the families at Bolaq district with the basic needs such as food, drink and shelter to live so that they accept the sustainable development that we are working on. To reach this goal we need to work on several projects (events) such as Ramadan’s bags, clothing events, Blankets campaigns and others.

https://www.facebook.com/AYB.AAST/about/?ref=page_internal

4. AASTMT collaborates and initiate a number of Research programmes to tackle the SDGs
<http://www.aast.edu/en/research/index.php>
 - 4.1. High Level Renewable and Energy Efficiency Master Courses “HEBA| which is a three years project funded by the European Union through Erasmus+ programme. The project aims to reform and improve existing master programs in Energy Efficiency

(EE) and Renewable Energy (RE) on single technology and energy systems level, improving existing or establishing Centres/Laboratories of EE+RE in Jordan, Lebanon, and Egypt. Project Number: 585740-EPP-1-2017-1-AT-EPPKA2-CBHE-JP

http://www.aast.edu/en/scientific-research/contenttemp.php?page_id=47300100

4.2. Renewable Energy and Sustainable Development (RES D) journal is a biannual international peer-reviewed journal which presents a global forum for dissemination of research articles, case studies and reviews focusing on all aspects of renewable energy and its role in sustainable development. The journal aims to present to the international community important results of work in the fields of renewable energy and sustainable development research to help researchers, scientists, manufacturers, institutions, world agencies, societies to keep up with new developments in theory and applications. Experimental, computational and theoretical studies are all welcomed to RES D.

<http://apc.aast.edu/ojs/index.php/RES D/index>

5. AASTMT developed educational resources through capacity building projects funded by Erasmus:

5.1. AASTMT has been granted a NEW ERASMUS PLUS Projects funded by the Education, Audio-visual and Culture Executive Agency (EACEA) of the European Union for three years (Nov 2019 to Nov 2022). The objectives of the Erasmus Plus Projects in general are to support capacity building in higher education universities and link them with Industry, and to Transfer knowledge and technology between experts in EU and MENA (Middle East and North Africa) Area, as the Education, Audio-visual and Culture Executive Agency (EACEA) manages funding for education, culture, audio-visual, sport, citizenship and volunteering.
http://www.aast.edu/en/centers/motc/news.php?language=1&view=1&unit=1&vent=3859&get_event_type=1

5.2. Blended Vocational-Engineering-Industry Shared Learning Environment for Stream of Socially- and Technically-Competent Technicians and Engineers (VET-ENG) 574114-EPP-1-2016-1-FIEPPKA2-CBHE-JP

5.3. Strengthening Capacities of South-Mediterranean Higher Education Institutions in the Field of Solar Energy by Enhancing Links among Applied Research, Business, and Education (MEDSOL)- 573722-EPP-1-2016-1- FR-EPPKA2-CBHE-JP-Erasmus Plus

5.4. Smart Grid Technology - A Master Programme (SGT-MAP)- 574219-EPP-1-2016-1-UK-EPPKA2-CBHE-JP-Erasmus Plus