1. Arab Academy for Science and Technology and Maritime transport, Mu Beta Chapter

The Mu Beta Chapter was installed at Arab Academy for Science and Technology and Maritime Transport (AASTMT) Abu Kir Campus on April 29th, 2018. It is the first chapter in Egypt and Africa. The chapter consists of motivated undergraduate and graduate student working as volunteers .The aim of the Mu Beta Chapter is to instill the values and practices of the Eta Kappa Nu in our future engineers and provide them with the sense of fellowship and distinction in the fields of Electrical, Communications and Computer Engineering. Mu Beta Chapter also provides STEM outreach activities to Pre-University students through its Kidzineers program launched in 2020.please check 4.3.4-Annex 1 (Mu Beta Chapter) for more details about outreach activates by Mu Beta Chapter-AAST

https://stemportal-tryengineering.ieee.org/programs/detail/26b565b7-0d95-4d26-be87-82b2e105485f
https://hkn.ieee.org/hkn-chapters/all-chapters/mu-beta-chapter

2. PACES Project Team Visits school

Within the leading role of the Arab Academy for Science, Technology and Maritime Transport (AASTMT) in serving the Egyptian society and in qualifying students in various fields, AASTMT PACES (Progression of Accessibility Centres in higher Education for Students with disabilities in North Africa) Project Team under the auspices of AASTMT Deanery of Student Affairs and in cooperation with Fayoum University carried out "Pop-Up" Visits of PACES Project on 29th - 30th of December 2020, as to present "PACES" project activities as funded by the European Union`s Erasmus+ program. It's worth to mention that during the current situation of the COVID-19 pandemic and the last days of the year 2020, PACES Project Team held the "Pop-Up" Visits by applying all the precautionary and preventive measures, These visits took place to some National Schools in Alexandria under the auspices of the Deanery of Student Affairs at AASTMT & PACES Project Team.. The visits include visiting "Al-Nour School for the Blind in Fayoum Governorate", "Al Fayyum Manarat Al-Ataa Association", and "El Amal For Deaf & Hearing Impaired School in Fayoum Governorate", Victory College (VC),El-Nasr Girls College (E.G.C.), ,EL Nasr Boys School (E.B.S.), these visits provide awareness sessions about students with special needs and the introduction of assistive technology devices(AT) that assists these students in the educational process. More visits to a number of universities, schools, associations and conferences, please check Annex 2 for more details and visits in national schools. Please check 4.3.4-Annex 2(Pop-up Visits Venues by AASTMT - up to April 2021)

https://aast.edu/en/centers/ac/

https://aast.edu/en/centers/iprc/contenttemp.php?page_id=52500022

https://aast.edu/en/news.php?unit_id=1&language=1&page=142&event=5041&get_event_type=1
http://pacesproject.eu/en/gallery/training-for-aastmt-students-in-the-campus-of-aastmt-in-south-valley-aswan
http://pacesproject.eu/en/video/hJHJvShUmBI

3. ROBOTAC

The Robotak initiative is a collaboration between the Egyptian Ministry of Youth and Sports and the Arab Academy for Science, Technology, and Maritime Transport. In terms of coverage, this initiative is national in scope and free grant . The Goals include empowering young people between the ages of 7 and 17 with 21st century skills and teaching them to code and programme robots. It all started in early 2020, during the height of the corona epidemic. A combination of online and offline methods are used to provide the project's services. The online materials are made available via the YouTube channel of the Egyptian Ministry of Youth and Sports and the project's official Facebook page. There are both previously recorded and live sessions available online.

The offline material is delivered in the form of all-day, hands-on boot camps. Every camp is a four-day experience. Six such camps have been set up in the towns of tenth of Ramadan, Aswan, Beni Suef, el Arish, and Alexandria.

The total number of subscribers so far has exceeded 13,000 subscribers, distributed over all governorates of the Republic, in addition to some Egyptians from Saudi Arabia, the United Arab Emirates and the United States of America. The project has two levels so far. Each level is divided into two parts according to the age of the participants. Work is in progress on the third level. The project aims to teach school students programming, robotics, twenty-first century skills and artificial intelligence.

The project is presented online on the official channel of the Ministry of Youth and Sports, and weekly meetings are held on the project's Facebook page. This is followed by the work of intensive practical camps in the governorates. Two practical camps have been held so far. The first was in the Tenth of Ramadan City, and the final day was honored by His Excellency the Minister of Youth and Sports and His Excellency the President of the Arab Academy for Science, Technology and Maritime Transport. **The second camp was in Aswan Governorate, and it hosted by Arab Academy for Science, Technology and Maritime Transport** , Aswan branch. The third camp will be for the governorates of Luxor and Qena. After that, Sohag, Assiut, Minya and the rest of the governorates of the Republic.

Online content is available on YouTube on the official channel of the ministry and on the project's Facebook page. A mobile app is being implemented. For the project to have all the content available on it. Also, work is underway on a website to provide full content as well.

- Robotak on YouTube:

  https://www.youtube.com/watch?v=T8DlF5C9a5g&list=PLxtjpo78XnPhURz6PThqGdrMlICVIeZ9c
  https://www.youtube.com/watch?v=a8ZmYYFsNRw&list=PLxtjpo78XnPiIy8N5Rt8DaH52GEs2MI7U

  https://www.youtube.com/watch?v=VuTYRfyl0Qg&list=PLxtjpo78XnPhURz6PThqGdrMlICVIeZ9c&index=8

- Robotak on Facebook:

  https://www.facebook.com/Robotakemys

Please Check 4.3.4-Annex 3(Robotak Boot Camp_Aswan), 4.3.4-Annex 4 (ROBOTAC-PHOTOS).

4. Summer Youth Camp

This is a summer training program , and any Egyptian or Arab student at any university has the right to join the program according to the specialization that is announced by the training sector, and the Academy hosts students of this program every year for 3 days within the training program.

a) First Summer Training Youth Camp

The opening of the first training camp for students of the summer training program of the League of Arab States for the year 2021, which was held during the period from 13-16/8/2021 at the headquarters of the Arab Academy for Science, Technology and Maritime Transport in Alexandria.

b) Second Summer Training Youth Camp

in keeping with the Arab Academy for Science, Technology and Maritime Transport (AASTMT) role as a house of Arab experience and a pioneer of academic excellence, AASTMT has hosted the second summer training camp program of the General Secretariat of the League of Arab States during the period 22 - 25 September 2021, at AASTMT AbuKir Campus – Alexandria, where the program was held under the auspices of H.E Mr. Ahmed Aboul Gheit - Secretary General of the League of Arab States, and H.E Prof. Dr. Ismail Abdel Ghafar Ismail-AASTMT President.

It's worth to mention that AASTMT held the opening ceremony of the summer training camp program at AASTMT AbuKir Campus, in the presence of H.E Plenipotentiary Minister Majid Al-Mutairi - Director of Training and Development of Work Methods of the General Secretariat of the League of Arab States, and H.E AASTMT Officials.

During the Second Summer Training Youth Camp, the students visited AASTMT Alamein
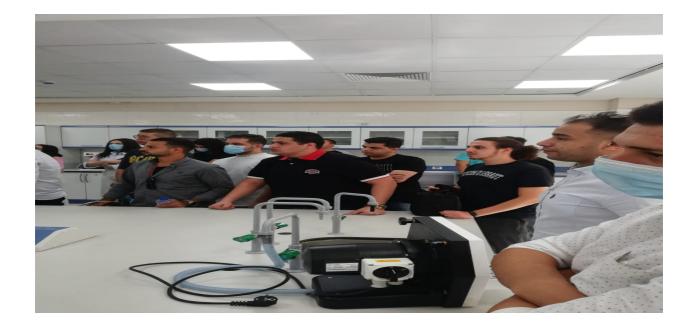
City Campus with the educational buildings and laboratories, where they praised the level of AASTMT capabilities and the current position at the local and international levels, then Prof. Dr. Ali Fahmy - Dean of AASTMT College of Artificial Intelligence presented a seminar on "Artificial Intelligence Recent trends and its future in the Arab region".
https://aast.edu/en/news.php?unit_id=1&language=1&page=91&event=6023&get_event_type=1

A visit to the Academy's branch in El Alamein on Thursday, September 23, 2021 within the activities of the Arab League Student Camp Program - Summer Training Program. Dr. Ali Fahmy, Dean of the College of Artificial Intelligence, Academy Branch in El Alamein, gave a lecture on recent trends in artificial intelligence and its future in the Arab region.

5. Regional Informatics Center (RIC)

As a new contribution in its leading role in offering higher education standards and spreading the information technology, AASTMT established the first Regional Informatics Center (RIC) in the Middle East and North Africa RIC is a division of the Arab Academy for Science and Technology founded in 2001 and located in Alexandria, Egypt. The Arab Academy for Science and Technology through its Regional Informatics center is the Headquarter for the ICPC Foundation Competitions for University students in Africa and Arab Countries hosting and organizing the national competitions under ministries of education and telecommunication in every country. https://aast.edu/en/centers/ric/

RIC organizes the following events :
- a- ***Beaver Challenge is an international initiative aiming to promote informatics and computational thinking among school*** students at all ages. It is organized in over 50 countries (3 million participants) and designed to get all students excited about computing. Each participant gets 45 minutes to answer 12 questions that focus on logical thinking and computing.

  https://www.beaveregypt.org
  https://www.youtube.com/watch?v=gjHyHoUUQHM
  c- The EOI is the biggest programming contest for school students since 2003 under the patronage of the Ministry of Communication and Information Technology and Arab Academy for Science and Technology. The contests are hosted by AASTMT every year.

  https://www.youtube.com/channel/UC6zxNvvWUzSyW0spixXH7Pw
  https://www.youtube.com/watch?v=bu95EfOGO2k
  https://mcit.gov.eg/en/Media_Center/Latest_News/News/66451
  https://www.facebook.com/eoi.eg
  https://m.facebook.com/story.php?story_fbid=pfbid0NoG5HG56T972CYJs17TWgqGSGwXqdzNZQEopim4xXxspy5kB9Fhq9hMnKhDr5tEEl&id=287821877986367

  b-ECPC (Egypt Collegiate Programming Contest), ACPC (Arab & African Collegiate Programming Contest) programming contest. The contest fosters creativity, teamwork, and innovation in building new software programs, and enables students from different universities in Egypt and Arab region to

test their ability to perform under pressure. Quite simply, it is the oldest, largest, and most prestigious programming contest in the world. The contests are hosted by AASTMT every year.

https://www.youtube.com/watch?v=yrfrMAZp-cs
https://aast.edu/en/news.php?page=3&event=5912&unit_id=1&language=1&get_event_type=1
https://mcit.gov.eg/en/Media_Center/Latest_News/News/63256
https://aast.edu/en/news.php?unit_id=1&language=1&event=6189&get_event_type=1
https://aast.edu/en/colleges/coe/alex/coe-news.php?unit_id=65&last_id=76&get_event_type=1
https://aast.edu/en/news.php?unit_id=65&language=1&page=7&event=81&get_event_type=1
https://mcit.gov.eg/en/Media_Center/Latest_News/News/63256
https://www.facebook.com/EgyptCPC
https://www.youtube.com/c/ACPCNews1/videos?app=desktop&view=0&sort=p&shelf_id=0

c- ROV (Remotely operated underwater vehicle) which is a Competition is made for building new generations of Arab Rovers to make university and school students compete in design and build ROV or underwater robot to achieve mission underwater, which is simulation to real mission.

http://www.aast.edu/en/centers/ric/rov/index.php
https://aast.edu/en/news.php?unit_id=65&language=1&page=7&event=80&get_event_type=1
https://aast.edu/en/news.php?language=1&unit_id=411&event=7&get_event_type=1
https://m.facebook.com/story.php?story_fbid=pfbid02iQnu72VSv9JdLXWz65zyhAyv32vhMNSRhHBj6hE88foZBzkNjLVfYZgEjD11em4jl&id=207145449345043

d- RoboCup was founded in 1997 with the main goal of "developing by 2050 a Robot

Soccer team capable of winning against the human team champion of the FIFA World Cup". In the next years, RoboCup proposed several soccer platforms that have been established as standard platforms for robotics research. RoboCupJunior is a project- oriented educational initiative that support local, regional and international robotic events for young students. It is designed to introduce RoboCup to primary and secondary school children, as well undergraduates who do not have the resources to get involved in the senior leagues. The focus in the junior league is on education.
https://www.rcjegypt.org

Please check
4.3.4-Annex 5(Achievement report and evaluation of activities 2021-2020(RIC))
4.3.4-Annex 6 (Achievement report and evaluation of activities 2022-2021(RIC))
4.3.4-Annex 7 (EOI_Photos)

6. Academy's Industry Service Complex

The Arab Academy for Science, Technology and Maritime Transport believes in the importance of the industrial sector to push the wheel of development and achieve economic renaissance for Arab societies, especially Egypt. The Academy's Industry Service Complex held, for three consecutive years, three forums entitled "Technical Education and a Course in Meeting Industry Needs" under the slogan "Technology as the Locomotive of Development" in its first year in the presence and patronage of the Minister of Technical Education and under the slogan "Technology and Societal Perspective" in its second year, in line with Egypt Vision 2030 and under the generous sponsorship of the President of the Republic and under the slogan - Our revolution is a work revolution - the third forum was held in the form of several events: (Egypt's first youth competition for skills - workshops containing open discussion panels - exhibition) and also the fourth forum was held in partnership with the US Agency for International Development

"USAID" under the slogan "We are all building it" and held the second Egyptian Youth Skills Competition. The forum, in its fifth year, was held under the slogan "A dream that will come true", in September 2021, during which the finals of the third Egyptian Youth Competition for Skills were held. And, the sixth forum will be held under the slogan "Our youth is able" in September 2022, and through it, the finals of the Fourth Egyptian Youth Competition for Skills will be held.

https://www.arabskills.org

7. AAST Entrepreneurship Center

The AAST Entrepreneurship Center was established by the Arab Academy for Science Technology & Maritime Transport in 2015 with the main focus of empowering the Arab youth to create a sustainable ecosystem in the Arab region & Africa. After a couple of years of continuous support to the academy community and seeing the returned benefit on the students & Egyptian ecosystem, the AAST Entrepreneurship Center started to go beyond the academy and launched several programs for the Arab youth in different staged of the startup maturity level. The center continues to support young entrepreneurs through their journey to become great business leaders. **The center organizes different public events :**

- **AAST Entrepreneurship Rally Competition**
  AAST Entrepreneurship Rally is a competition held by the Center of Entrepreneurship at the Arab Academy for Science, Technology and Maritime Transport. It is an opportunity for anyone to develop a strong business idea and implement it as an actual startup. Participants are given many training sessions to help them in the implementation process. After many elimination rounds, finalists get to pitch their ideas in front of an international judging panel. Champions are rewarded with cash prizes and admission to an incubation program powered by the Center of Entrepreneurship.

  Over the past 3 years, the AAST Entrepreneurship Center has successfully held several rounds for the competition; each had a wider expansion that allowed to grant additional opportunities for more university students to compete on a national and regional scale.

  https://aast.edu/en/centers/Entrepreneurship/contenttemp.php?page_id=48200059

- **Rally Accelerate Competitions**
  Rally Accelerate is an End-to-End fundraising program targeting Egyptian startups who are aiming to scale their business.

(a) **70+ Startups from all over Egypt** shall be selected from different sectors (Supply chain-tech, Fin-tech, Health-tech, Agri-business, Tourism) to join two months investment readiness program from top notch experts, fund managers and angel investors.

(b) **15 + Startups** will then be considered in the final phase who shall be featured on media (Tv) for branding, PR and exposure to their business, and investors will have a closer look at their businesses.

(c) **Top 5 Startups** will be strongly supported by a dedicated specialized team to help them in raising proper investments for their business, sharing profiles with several investors and VCs in the MENA region, Europe and USA.

(d) **Top 5 Startups** will also have the chance to travel to Germany to get insights on international best practices and meet with advanced European startups, entrepreneurship experts and ecosystem players for the purpose of helping scale their business.

https://aast.edu/en/centers/Entrepreneurship/rally-accelerate.php

- **Arab Rally Competitions**
  The Rally Competition was established in 2016 by the Arab Academy's Entrepreneurship Center (The Arab League educational organization) for the purpose of impacting youth, entrepreneurs, and startups, not only in Egypt the Arab league headquarters but also to the Arab youth and the entire world.
  https://aast.edu/en/centers/Entrepreneurship/contenttemp.php?page_id=48200268
  https://aast.edu/en/news.php?unit_id=1&language=1&page=115&event=5657&get_event_type=1

8. AYB-AAST is a Franchise of AYB-SD at AAST (Academya Baharya Sheraton)- (Students Volunteers)

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. AYB is working on achieving SUSTAINABLE development for many poor areas in Egypt. AYB- AAST is basically developing the area of "Bolaq abo El-Ala'", a very poor place in Egypt. AYB-AAST established in 2010. AYB is trying to help in enhancing the living standards, moral qualities, and **educational skills** of the people there through many communities and programs.

Programs description:
==============
There are four programs in our organization which are youth development program, loans and employment program, illiteracy education program and charity program.
*Youth Development Program (YDP) Program:

- **Youth Development Program (YDP)**
  a program works on the development of children and youth in Bolaq. By educating, developing and enhancing the moral and esthetic's in youth also to create a right way of thinking, manner and starting new life all in a creative, funny and sustainable way.

- **Loans and Employment Program:**
  Loans and employment team works on providing job opportunities to the people in Bolaq. Also, they provide them with micro loans to help them in starting a small project. This helps them in enhancing their living standards. Moreover, they gain some soft skills such as time management, self-management, Verbal communication, responsibility, and social skills.

- **Illiteracy Education Program:**
  This program aims to educate the kids in Bolaq and eliminate the illiteracy rate in Bolaq. This goes through teaching them the basics of Arabic reading and writing.

- **Charity Program**
  This program works on providing the families at Bolaq 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, keswa events, Batanya campaigns and others.
- https://www.facebook.com/AYB.AAST/about/?ref=page_internal