

Arab Academy for Science, Technology & Maritime Transport



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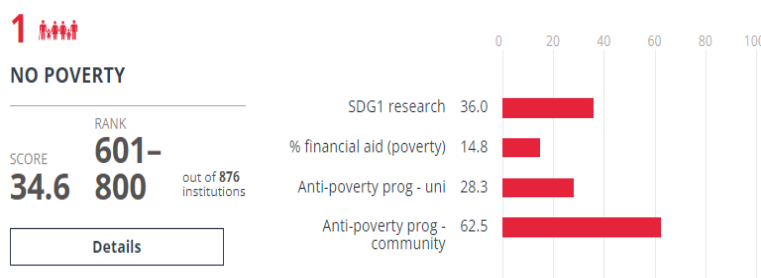
Report 2021/2022

SDG I

Our Aim in 2021-2022

• **AASTMT** has attempted to increase the proportion of students receiving financial aid, develop university anti-poverty programmes and develop community anti-poverty programmes.

THE Impact Ranking Scores 2020-2021



SDG I

NO POVERTY

1 NO POVERTY



Our Progress through 2021-2022

1. Increasing the proportion of students receiving financial aid

The academy aims to provide financial support to a percentage ranging between **10%** and **15%** of new students in each semester provided that supporting documents are submitted.

Number of low-income students receiving discounts by the Academy during 2021/ 2022 is 2208 students.

2. Developing university anti-poverty Programmes

During the year 2021/ 2022, the total number of graduates was 7809 students.

The total number of students receiving financial aid was 2208.

A total number of **391** representing **18%** of the total number of students receiving financial aid during that year graduated while the rest of the students receiving financial aid have been successfully continuing their undergraduate studies at the Academy.

Student Scholarships and the number of students receiving financial aid for the fiscal year 2021

Scholarship name	Scholarship type	Scholarship description	Number of scholarship students	Scholarship value
Internal government jobs	Scholarship	Community Service Scholarships to support internal government jobs	7753	5,790,249
Financial need scholarships	Financial aid eligibility	This scholarship seeks applicants in financial need	1603	2,558,391
Grants in partnership with charitable and scientific institutions	Scholarships	Community Service to help students with special circumstances	290	729,759
Arab youth scholarships	Helping Arab students	This scholarship seeks helping Yemeni students	35	110,200
Sons of Upper Egypt	Community Service Scholarships	Encouraging the sons of Upper Egypt	280	72,482

Financial Rates for low or lower-income countries student support

In accordance with the regulations in place to help financially distressed students, the Academy allocates full or partial support according to the case study or through donors for each semester, provided that supporting documents are submitted and each case is studied individually.

- Some Arab students have been supported, as their tuition fees are calculated like the Egyptians.
- There have been scholarships from the academy for some Arab students, the percentage of which varies from 30% to 70%.
- The Academy has granted some Arab graduates a discount ranging from 25% to 30% for tuition fees for each semester. The cases are presented to the financial support committees and the discount rates are determined and then approved by His Excellency the President of the Academy to activate the discount for students.
- There have been full scholarships from the Academy for students in developing countries, whether at the bachelor's level in colleges or in postgraduate programmes, provided that the student maintains his academic excellence.

Cooperation Agreement with the Eastern Triangle Company for Consulting and Development Company:

The Agreement aims to enroll a number of students from the State of Yemen to study in the AASTMT. In order to encourage interest, the academy receive a number of students from The State of Yemen) to continue studying at different colleges at the academy, each according to his specialization. The academy provides housing and care for the students, at the expense of the company.

Scholarships for low-income countries during the fiscal year 2021

The number of **Yemeni students** receiving Arab Youth Scholarships during the fiscal year **2021** was 35 receiving **110,200 L.E.**

Spin-offs (2021-2022)

1.



New companies directly created from the research and program at EC-AASTMT are defined as registered companies set up to exploit intellectual property that has originated from EC-AASTMT:

1. AQUABOT.EGY

The project is a miniature electronic submarine that operates with a graph system and a 360-degree underwater view of pollution monitoring scenes and graphic viewing of pollution resulting from severe pollution. Fish and predatory fish are monitored very accurately.

2. ERGOBOTS

The tree intelligence platform! This innovative idea focuses on providing farm owners with an affordable service for farm diagnostics using robotics and artificial intelligence, innovating traditional agriculture systems, and lowering farmers' resource consumption costs.

3.Farawlatech

The project is a miniature electronic submarine that operates with a graph system and a 360-degree underwater view of pollution monitoring scenes and graphic viewing of pollution resulting from severe pollution. Fish and predatory fish are monitored very accurately.

4.GGEG

GGEG IS A STARTUP THAT PROVIDES SOLUTIONS & SERVICES FOR THE E-SPORTS COMMUNITY IN EGYPT.

GGEG is Gamers LinkedIn, Yalla Kora for Egyptian Esports, also Parallel Federation League of E- teams and E-clubs.

5.KNZGlobal

Their main goal of optimizing resource use and maintaining green spaces serves as a road map for developing resilient green infrastructure. Their project uses IoT solutions to provide intelligent waste management for everyone.

6. Littless

Littless will create high-quality, need-based, sustainable textiles and merchandise that can be recycled or upcycled, reducing textile waste in the environment and providing affordable products to lower-income families.

7.Super Fny

Super Fny is an educational institution founded in January 2016 in Alexandria, Cairo, Port Said, and Aswan to address the issues and challenges that technical and vocational education students, graduates, and professionals face

8.OWM

The Oracle Smart Grid Water Flow Meter (OWM) is a Intelligent smart meter device for monitoring water consumption and a sustainability solution that pays for itself through water savings. It can detect and stop leaks at the source using artificial intelligence (AI) and machine learning (ML). It alerts you when water is leaking and automatically shuts it off or by a press of a button through a mobile application. The wireless control and intelligent real-time monitoring can be accessed through a web/mobile application. Provides user consumption analytics by collecting data and then it can predict future consumption using AI and ML. Finally, the device provides water components analysis for purity detection and approval.

9.Vlaby Platform

Vlaby is first virtual labs platform for school students in MENA, that allows students and teachers to conduct practical science experiments in a virtual online lab that simulates the traditional science laboratory and has all lab equipment, chemicals, devices, glass tools and other laboratory tools, Thus, the student can conduct experiments anytime, anywhere and from any device.



10.OZ-TECH

OZ-TECH is developing and offering smart solutions for the agriculture sector to help make work easier and smarter using technologies like IoT, robotics, and AI. The team established a prototype robot that can plant seedlings automatically without any human intervention during the process of insertion into the ground.

11.Vooh

Vooh is a web-browser-based platform that allows teachers to replace their traditional paper assignments and quizzing process with an electronic one, providing tools to analyze students' performance and assist in their teaching plans.

12.Green Hydrogen

Selling Green hydrogen for use as Biofuel and other Ecofriendly products.
Selling the system used in cultivation of algae.
Selling the system used for capturing hydrogen from algae and saving it.
Production of Green hydrogen that is a clean energy source instead of fossil fuels and other ecofriendly products.

13.El Deeb

The company is one of the companies using solar energy and in the applications of exploiting clean energy in the field of agriculture, such as lighting, heating, cooling and ventilation in installments renewable system to facilitate the farmers for a period of up to one year.

14.Harvester

The Company works to manufacture of harvesting equipment for medicinal and aromatic plants that harvest in three ways to harvest.

15.Truston

The company works on responding to the challenge of severe shortage of both sound-source fertilizers, as well as agricultural technical support at the hands of specialists, it was the motive behind the establishment of our company, which was keen to provide these two services to farmers and fertilizer dealers in the company's deployment area (the desert back of the center of Itsa Fayoum, Al-Fashn, Somasta, Beni Suef and Al-Adwa Al-Minya).

16.Al Bostan

The company offers an integrated agricultural services center that includes pesticides, fertilizers, and auxiliary equipment in production and providing job opportunities.

17.Andak Gas

Establishment of biogas units running on food leftovers that produce methane gas used for cooking and organic fertilizer sold to farmers.

18. Al Amal

An agricultural consulting office, diagnosing the diseased condition of the plant, giving the appropriate pesticide or fertilizer, and following up the crop from the beginning of planting until harvest to increase productivity and make maximum use of the largest amount of the crop and sell seeds.

19. Future Mushroom

The company is providing oyster mushrooms and their protein products as a natural low-fat protein for slimming. We grow oyster mushrooms on agricultural waste such as rice or wheat straw and convert these wastes into animal feed or agricultural fertilizers.

20. M.C.C

The company specializes in extracting organic medicinal and aromatic oils, making natural cosmetics, and grinding organic plants.

20. Fidato agro plus

The project is a platform specialized in education in the agricultural field that offers online and offline courses and training in all agricultural disciplines.

Link for Spin-offs (2021- 2022):

Visit all [our Spin-offs 2021- 2022](#)

Community Engagement

3. Developing Community anti-poverty Programmes

Webinars provided by Productivity and Quality Institute

#	Date	Title of the webinar	No. of participants
1	February 2021	Top Trends in Occupational Health and Safety Training - New NEBOSH IG Certificate Syllabus and Examination Systems	105 Zoom 770 Facebook Views
2	March 2021	Career Development	Zoom300 979 Facebook View
3	April 2021	Digital Transformation and Industry 4.0	102 Zoom 1.1K Facebook View
4	April 2021	Organizational Resilience and Business Continuity Management	92 Zoom 366 Facebook View
5	April 2021	Future Foresight: Approaches and Tools	Zoom150 288 Facebook View
6	April 2022	Climate Change Mitigation & Adaptation	57 Zoom 762 Facebook Views
7	April 2022	Data analytics in a hospital setting	133 Zoom 1k Facebook Views
8	September 2022	Aligning Structure, Culture, and People to Strategy	Inviting participants
9	October 2022	ندوة للتوعية عن أمراض القلب	Inviting participants
10	October 2022	The Role of Universities in Promoting Innovation within SMEs	60

The webinars conducted at the Quality and Productivity Institute

Courses provided by the Community Service and Continuing Education Center- Alexandria

Course	Link	Number of courses	Number of students
English Language Courses for University Students (20% discount)	Link	114	1579
Microsoft Office Courses (20% discount)	Link	45	920
English Language Courses for School Children (20% discount)	Link	8	540
English Language Courses for Children in certain clubs (20% discount)	Link	8	420
PMP Courses (50% discount)	Link	7	98
Primavera Courses (40% discount)	Link	8	60

Community anti-poverty initiatives

Campaign to protect the poor and workers from rain and cold (distribution of tiles and socks) (December 1-7, 2021)

The members of Academy Kher CLC charity society at the College of Language & Communication, Alexandria made an initiative in order to protect the workers and the needy on the streets from the rain and the cold from the 1st to the 7th of December 2021. Thus, they distributed more than 70 waterproof coats and cotton socks to street workers in different districts across Alexandria.





Visiting Dar Al-Tayseer for orphans and making donations to the House of Mawaddah and Mercy (December 21, 2021)

Several volunteers from Academy Kher CLC charity society at the College of Language & Communication, Alexandria made a visit to Al-Tayseer Orphanage in ElMandara on the 21st of December 2021. They also delivered donations of food and other needed things to the same orphanage, as well as Al Mawda Wal Rahma orphanage in Miami, Alexandria.





[Academy kher CLC visit](#)

[Academy Kher CLC](#)

Events

Cooperation Protocol Institute of Technical and Vocational Studies and Sinmar Company



Cooperation protocol between Institute of Technical and Vocational Studies and Sinmar Company has been conducted to provide training courses for the people of Port Said Governorate in 2021-2022, with 90 trainees for 6 training courses in the fields of:

1. Principles of gas and arc welding
2. Heating, ventilation, and air conditioning systems

3. Electrical maintenance of factories
4. Electronic maintenance of factories
5. Principles of hydraulics
6. Introduction to solar cells and renewable energy

[The Institute of Technical and Vocational Studies at the Industry Service Complex](#)

Cooperation Agreement between Entrepreneurship Center- AASTMT And National Bank of Egypt



The National Bank of Egypt signed a memorandum of understanding with the Arab Academy for Science, Technology and Maritime Transport to support, finance and build the capacities of young people, entrepreneurs, and innovators with the aim of establishing start-up companies. To support emerging projects and entrepreneurs, and the Egypt Entrepreneurship Rally competitions. The Agreement includes a Grant with total amount **5 million Egyptian Pound**, for the sponsorship of the National Bank of Egypt as the main partner for all events of the entrepreneurship competition Egypt Rally during its current and upcoming years.

[A cooperation Agreement Entrepreneurship Center- AASTMT and National Bank of Egypt on AASTMT webpage](#)

Cooperation Agreement Between Entrepreneurship Center-AASTMT & USAID



USAID
FROM THE AMERICAN PEOPLE

Based on the U.S. government's support for entrepreneurship in Egypt in general and as part of the U.S. Embassy's long-standing commitment to economic development in Egypt, the U.S. Agency for International Development (USAID) has agreed with the Center for entrepreneurship at the academy to adopt and launch a number of programs aimed at providing training, guidance and guidance to entrepreneurs.

This new program builds on a long and successful partnership between USAID and the Arab Academy for science, technology and maritime transport that helped establish and furnish three business incubators to help train entrepreneurs.

[The cooperation between AAST & USAID](#) on AASTMT webpage

Cooperation Between the Entrepreneurship Center and The Medium, Small and Micro Enterprise Development Authority (MSME)



A joint memorandum of Understanding aimed at supporting projects in the entrepreneurship sector during the coming years between the Entrepreneurship Center at the academy and the authority for the development of medium, small and micro enterprises. The cooperation aims to discover the skills of students, develop their abilities,

spread the culture of entrepreneurship, self-employment, qualify graduates and students of the university to establish and manage their projects successfully, as well as adopt innovative and creative ideas among young people, and encourage them to create new job opportunities for them; meet the needs of the current labor market, through the performance of a number of activities represented in the establishment of training courses, exhibitions, forums; for the development of entrepreneurial skills, workshops for innovation and creativity.

Encouraging young people to implement small projects based on innovative new ideas capable of competition organizing events that contribute to raising the capabilities of university students in the field of entrepreneurship, and empowering young people for self-employment; in implementation of the state's directives, and to achieve the goals of sustainable development.

[Cooperation between the Entrepreneurship Center and the Medium, Small and Micro Enterprise Development Authority \(MSME\) on AASTMT webpage](#)