



ARAB ACADEMY FOR SCIENCE,
TECHNOLOGY & MARITIME TRANSPORT
SDGs REPORT 21/22

INTRODUCTION

We are pleased to present the annual report on our progress towards the United Nations Sustainable Development Goals (SDGs). At the Arab Academy For Science, Technology & Maritime Transport, we believe that higher education institutions have a crucial role to play in addressing the complex challenges facing our planet and creating a sustainable future for all. Therefore, we have embraced the SDGs as a framework for guiding our actions, measuring our impact, and fostering positive change within our institution and beyond.

The SDGs are a universal call to action to end poverty, protect the planet, and ensure prosperity for all. They provide a roadmap for transforming our world by addressing interconnected issues such as poverty, inequality, climate change, access to education, gender equality, and sustainable economic growth. Through their 17 goals and 169 targets, the SDGs offer a holistic approach that encourages collaboration, innovation, and the pursuit of partnerships.

Over the past year, we have made significant strides in aligning our activities and initiatives with the SDGs. Our commitment to these goals has been evident across our academic programs, research endeavors, community engagement efforts, and campus operations. By embedding the principles of sustainability and social responsibility into our core activities, we aim to inspire and empower our students, faculty, staff, and partners to contribute to the achievement of the SDGs.

In this annual report, you will find a comprehensive overview of our progress towards each SDG. We will share key achievements, challenges encountered, lessons learned, and our plans. It is important to emphasize that this report is not just a reflection of our actions; it is also a testament to the collective efforts of our entire university community. It is through the dedication, passion, and collaboration of our stakeholders that we have been able to make a positive impact and drive meaningful change.

We are proud of the accomplishments highlighted in this report, but we also recognize that there is much work still to be done. The SDGs are ambitious and require a sustained commitment to long-term action. As we move forward, we remain steadfast in our pursuit of excellence, innovation, and partnership. We will continue to leverage our strengths, embrace interdisciplinary approaches, and engage with diverse stakeholders to address the pressing challenges of our time.

We invite you to explore this annual report and join us in celebrating our progress towards the SDGs. Together, we can create a more sustainable, equitable, and prosperous future.

CONTENTS

	page
GOAL 1: NO POVERTY	3
GOAL 2: ZERO HUNGER	7
GOAL 3: GOOD HEALTH AND WELL-BEING	9
GOAL 4: QUALITY EDUCATION	13
GOAL 5: GENDER EQUALITY	19
GOAL 6: CLEAN WATER AND SANITATION	21
GOAL 7: AFFORDABLE AND CLEAN ENERGY	25
GOAL 8: DECENT WORK AND ECONOMIC GROWTH	29
GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE	33
GOAL 10: REDUCED INEQUALITIES	39
GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES	43
GOAL 12: RESPONSIBLE PRODUCTION AND CONSUMPTION	47
GOAL 13: CLIMATE ACTION	51
GOAL 14: LIFE BELOW WATER	55
GOAL 15: LIFE ON LAND	59
GOAL 16: PEACE, JUSTICE AND STRONG INSTITUTIONS	63
GOAL 17: PARTNERSHIPS FOR THE GOALS	67
AASTMT SDGs MANAGEMENT TEAM	72
AASTMT SDGs OFFICERS	73



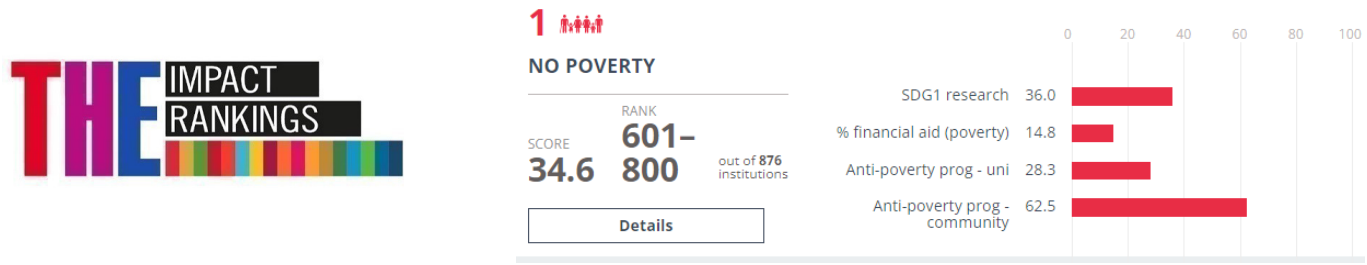


GOAL 1 - NO POVERTY

OUR AIM 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



PROGRESS DURING 2021/ 2022

TEACHING

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. Number of low-income students receiving discounts by the Academy during 2020/ 2021 are 3212 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)



New companies directly created from the research and program at EC-AASTMT are defined as register companies set up to exploit intellectual property that has originated from EC-AASTMT. https://aast.edu/en/centers/Entrepreneurship/contenttemp.php?page_id=48200334

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 inOccupational 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

https://aast.edu/en/institutes/pqi/contenttemp.php?page_id=3400001

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)

A number of 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.



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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 in order 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

Link for Institute of Technical and Vocational Studies at the Industry Service Complex:
<https://aast.edu/en/institutes/tvi/index.php>

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.

https://aast.edu/en/centers/Entrepreneurship/news-details.php?language=1&view=1&unit_id=482&news_id=48210491&event_type_id=1

Cooperation Agreement Between
Entrepreneurship Center-AASTMT &
USAID



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.

https://aast.edu/en/centers/Entrepreneurship/news-details.php?language=1&view=1&unit_id=482&news_id=486101328&event_type_id=1

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.

https://aast.edu/en/centers/Entrepreneurship/news-details.php?language=1&view=1&unit_id=482&news_id=486101307&event_type_id=1

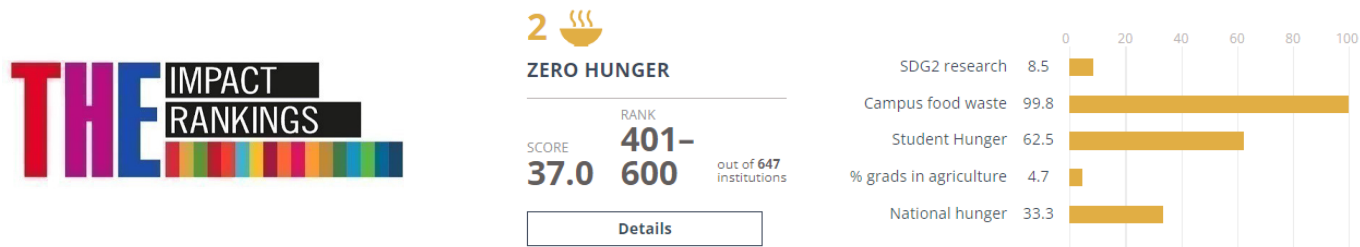


GOAL 2 - ZERO HUNGER

OUR AIM IN 2021/ 2022

Food waste reduction through innovative recycling, guaranteeing access to wholesome and sustainable meals to students and staff, exemplifying a proactive approach of sustainable practices and tackling hunger and food security challenges within the community.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

The Arab Academy for Science, Technology, and Maritime Transport (AASTMT) has implemented innovative solutions to address food waste production, producing 550 kg daily in 2021–2022. By creatively transforming this waste into composite fertilizers, AASTMT not only diminishes its environmental impact but also contributes significantly to sustainability. This strategic recycling initiative is utilized across all campuses, establishing a closed-loop system that reduces waste while simultaneously enhancing the university's landscape and overall aesthetic appeal. Additionally, AASTMT actively supports financially constrained students by providing free or heavily discounted meals, facilitating equal

access to quality education. Through scholarships and meal discounts ranging from 5% to 30%, the academy ensures that students can concentrate on their studies and personal growth. Carefully curated nutritious food options not only meet students' dietary needs but also foster an inclusive and nurturing learning environment. Moreover, prioritizing food security for both employees and students, AASTMT offers convenient and wholesome food options on and off-campus, demonstrating its commitment to well-being. By providing discounts and complimentary meals, the academy alleviates financial strains while promoting healthy dietary habits

among its community. AASTMT further champions inclusivity and sustainability by offering diverse plant-based meal options, catering to the increasing demand for vegetarian and vegan choices. With vegetarian and vegan food stations available, the academy encourages individuals to adopt healthier and environmentally friendly dietary practices, supporting diverse dietary preferences and promoting a holistic approach to wellness. Overall, AASTMT's dedication to providing inclusive, nutritious, and sustainable food options underscores its commitment to community well-being and healthy lifestyle choices.
https://aast.edu/en/sdg/goals.php?menutab=2&unit_item=1212&page_id=121200002



<https://aast.edu/en/services/ppr/>

COMMUNITY ENGAGEMENT

AASTMT, in collaboration with the Egyptian Agricultural Bank and Matrouh Governorate, has inked an MoU to grant full scholarships to 47 deserving students, splitting tuition costs and ensuring food security. The partnership extends to Halwany Brothers, offering theoretical and practical training for these scholars, prioritizing hands-on

learning and skill development. This strategic alliance aims to equip students from Matrouh Governorate with the knowledge and experience needed for success in their future careers, emphasizing education and growth in the region.



EVENTS

An Agribusiness Incubator project in Upper Egypt, driven by the Arab Academy for Science and Technology's entrepreneurship center in partnership with the Academy of Scientific Research and Technology, received management from the African Bank for Development and funding from the Danish-Arab Partnership Programme. It commenced with presentations on 21 diverse agribusiness projects, followed by training emphasizing project valuation and business plan development. Through personalized mentoring and group work, participants refined their projects. Experienced advisors guided the entrepreneurs on pitching their initiatives for potential investors, vital for acquiring capital and resources for their agricultural ventures, contributing to regional food security efforts. Additionally, a recent session aimed at enlightening entrepreneurs in

the New Valley about the Agribusiness Incubator's services and its role in project development, offering tools, networking, and mentorship. Lastly, the graduation ceremony for seventy entrepreneurs from nine Upper Egypt governorates highlighted innovative agribusiness ideas incubated by the Arab Academy and Scientific Research and Technology, further underscoring cooperation's role in agribusiness growth and prosperity.
<https://aast.edu/en/centers/aicc/details/2085367>
<https://www.almasryalyoum.com/news/details/2085367>
https://aast.edu/en/centers/Entrepreneurship/news-details.php?language=1&view=1&unit_id=482&news_id=486101264&event_type_id=1





GOAL 3 - GOOD HEALTH AND WELL-BEING

OUR AIM 2021/ 2022

AASTMT aspires to ensure good health and promoting well-being for all. We focus on key targets to boost the health of local community through different ways; awareness events, medical convoys and regulatory policies.

THE IMPACT RANKING SCORES 2020-2021

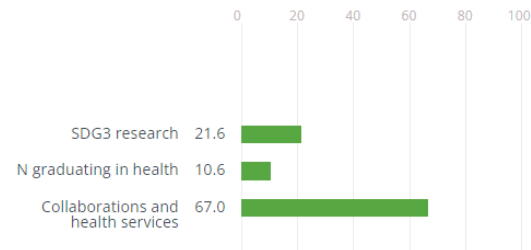


3

GOOD HEALTH AND WELLBEING

RANK
SCORE **801-1000** out of 1218 institutions

Details



PROGRESS DURING 2021/ 2022

AASTMT succeeded to develop different initiatives in the aim to reach out for disadvantaged people and help raising health awareness in the local community. The number of students graduating from AASTMT health institutions has been dramatically increased with the aim to have highly skilled health practitioners boosting the health standards of the local community. Different collaborations with national and international health institutions are maintained to ensure high quality of health education.



COMMUNITY ENGAGEMENT

In recognition of AASTMT important role of raising awareness and community service, different events and medical convoys have been sent to rural places in the aim of helping the local community of having a better health and health education.

AASTMT participation in the national campaign "100 days of health"

AASTMT student have participated in the national initiative "100 days of health". Students roamed the streets of Port-Said/Port-Fouad to spread awareness about the risks of breast cancer, and chronic diseases such as diabetes and hypertension.

The AASTMT participation in the national campaign "100 days of health" on social media

Medical Convoys

- AASTMT participation in Medical Convoys held by the Ministry of Health in Alexandria governorate during the period from March to July 2023. 130 students from the college of medicine actively participated in medical convoys held in 9 villages in remote areas in Alexandria governorate. They assist physicians in providing curative services and provide health education messages to attendees.



Medical Convoys 1 on social media

Medical Convoys 2 on social media

The AASTMT college of Dentistry has sent several convoys to rural villages to provide disadvantaged people with minor dental treatment procedures that were carried out in the mobile dental clinic provided by the Faculty of Dentistry - Alexandria University (according to AASTMT-Alexandria University partnership agreement). This was in addition to a full oral screening and oral health education.

Medical Convoys College of Dentistry El Alamein on AASTMT's news page:

- Students and staff share in (the health education session) held in (Alexandria cars club) about chronic diseases prevention and control.



health education session on social media

- An awareness campaign to address the risks eye and ear diseases due to the use of public pools was conducted in different Sports Centers in Port-Said.



- Eating disorders awareness campaign.



Eating disorders awareness campaign on social media

EPSF-AAST Association Awareness campaigns:

EPSF-AAST association has an active role in spreading awareness of different diseases, health education and the organization of blood and plasma donation campaigns.

EPSF-AAST Association Awareness campaigns on YouTube channel:

EVENTS

Awareness of Sexually transmitted Diseases:

National HIV Day

June 27th is considered to be the national HIV testing day. A day that emphasizes the importance of testing for HIV to know your status, protect yourself, and keep yourself healthy with precautionary measures.



Sexually transmitted Diseases on social media
National HIV testing Day on social media

AIDS Awareness Event

Join us on the third Sunday of May to light a candle and remember the many lives lost to AIDS, and to honor those who dedicated their lives to helping people living with and affected by HIV. Let's spread love and solidarity to build stronger communities and end HIV stigma and discrimination.



AIDS Awareness Event on social media

Awareness of the negative impact of female genital mutilation (FGM) on female health

FGM is an outdated practice that should be stopped in the modern world. It is a harmful practice that violates the rights and dignity of millions of people around the world. In this session Karim Hashem, our LORA spoke about FGM and its effects on women and girls.



Awareness of the negative impact of female genital mutilation (FGM) on female health workshop on social media

Mai Shaloah, a second-year medical student at AAST College of Medicine was honored to represent Egypt and the LC AMSA-AAST in New Delhi as a medical student. IFMSA-Egypt presented the activity "Anti-FGM" and won Third Place in the Rex Crossley Awards during IFMSA August Meeting 2023 held in Delhi, India.

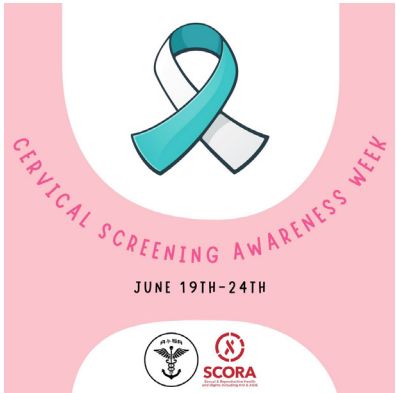


Mai Shaloah represents Egypt and the LC

AMSA-AAST in New Delhi as a medical student on social media

Cervical Screening Awareness Week

Cervical screening awareness week is an annual event that takes place to raise awareness about the importance of cervical screening for women's health. Regular screenings can save lives, so let's encourage all the women to prioritize their well-being.



Cervical Screening Awareness Week on social media

Women in Medicine Event

Women have practiced medicine since antiquity even before the professionalization of modern medicine. Be it herbal remedies, alternative medicine, or midwifery, they have proved their natural roles as caregivers time and again, despite more numbers of men in the profession since ancient times. The history of women in medicine is long and wide, starting in ancient Greece till the present day.



Women in Medicine Event on social media

Summer Camp (Mental Health and Burnout)

During the summer camp of College of Medicine, trainers; Iynour Nabil, Ahmed Hassan and Seif Ata gave sessions about Mental Health and Burnout, Unearthing the Treasures of Literature and Motivation.



Summer Camp workshop on social media

Mental Health Debate

A very intriguing debate to discuss mental health issues was conducted in AAST-Alamein Campus.

The debate topics were:

- 1. There is a relationship between artistic talent and mental illness.
- 2. Mental illness is stigmatized by society,
- 3. Physical violence does not promote mental illness,



Mental Health Debate workshop on social media

World Suicide Prevention Day

Suicide is a serious public health concern. It can affect anyone and is complex with risk factors varying by age, gender, and ethnicity. Individuals suffering from suicidal thoughts often show warning signs that can be easily missed. By knowing what to look for and being direct with our concerns, we can help start conversations, encourage positive behavior change, and emphasize the importance of seeking help.



World Suicide Prevention Day workshop on social media

Men and Mental Health (Breaking the Stigma)

Mental health is just as important for men as it is for women, but there is still a stigma attached to men seeking help for mental health problems. This stigma can prevent men from getting the help they need, and it can lead to serious consequences, such as suicide.



Men and Mental Health workshop on social media

A Guide to intersectionality and Toxic Relationships Awareness

On the Monday 5 June, 2023, Sessions were organized by experienced trainers to give a guide to intersectionality and talking about Toxic Relationships.



Toxic Relationships Awareness workshop on social media



GOAL 4 - QUALITY EDUCATION

OUR AIM IN 2021/ 2022

- Ensure that all boys and girls have access to quality early childhood development, care, and pre-primary education, ensuring that they are ready for primary education.
- Ensure that all girls and boys complete free, equitable, and quality primary and secondary education leading to relevant and effective learning outcomes.
- Encourage equal access for all women and men to affordable and quality technical, vocational, and tertiary education, including university.
- Ensure that all youth and a substantial proportion of adults, both men and women, achieve literacy and numeracy.
- Build and upgrade education facilities that are child, disability, and gender-sensitive and provide safe, non-violent, inclusive, and effective learning environments for all.
- Substantially Increase the Number of Scholarships to increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs, and entrepreneurship.
- Enhance Global Citizenship Education to ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship, and appreciation of cultural diversity and of culture's contribution to sustainable development.

THE IMPACT RANKING SCORES 2020-2021

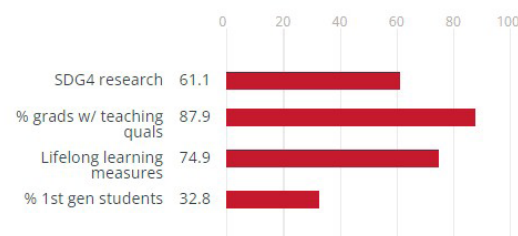


QUALITY EDUCATION

RANK
301-400
out of 1304 institutions

SCORE
60.2

Details

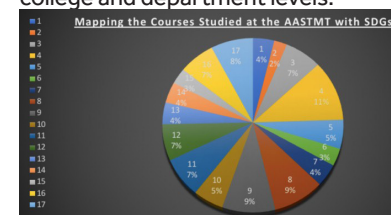


PROGRESS DURING 2021/ 2022

TEACHING

Mapping the Courses Studied at the AASTMT with SDGs

AASTMT had launched an initiative to evaluate the alignment of the university-level curriculum with the Sustainable Development Goals (SDGs) yielded varying percentages, as depicted in the chart. The AASTMT curriculum broadly encompasses nearly all SDGs; however, there is recognition of the need for enhanced coherence, particularly concerning SDG1, SDG2, SDG6, SDG7, SDG13, SDG14, and SDG15. This marks the inaugural phase, with plans underway in the current term to further develop the integration of SDGs into the curriculum. Additionally, recognizing the importance of precision, there is a proposal to conduct this study with greater accuracy, extending it to the college and department levels.



Green Sustainable Schools Initiative

The Committee for the implementation of Sustainable Development Goals (SDGs) at the Arab Academy for Science, Technology, and Maritime Transport (AASTMT) has launched a comprehensive initiative aimed at educating teachers and school students on the UN-established SDGs. Aligned with AASTMT's social responsibility and its commitment to a positive impact on the community, the initiative unfolds in three key stages:

1. **Training Workshops:** The first stage involves reaching out to

seven schools in Alexandria this year, offering training workshops for both teachers and students to enhance awareness and understanding of the SDGs.

2. **School Implementation:** Following the workshops, the initiative includes active follow-ups with schools to ensure the application of the acquired knowledge at the school level. Financial and logistical support will be provided to facilitate the implementation of energy and water-saving initiatives as an initial step.
3. **Competition and Recognition:** The final stage entails organizing a competition among participating schools at the Academy's headquarters. This competition aims to identify schools that have excelled in enhancing their institutional performance through the implementation of SDGs, showcasing success stories.



COMMUNITY ENGAGEMENT

MicroMouse and Amazon Robotics Challenge for Juniors

Micromouse & Amazon challenge for juniors target students from 8 to 16 years old. The challenges depend on project-based Learning open-source Robots for 3 months

created and executed by Ideaspace and Sponsored by ITIDA taking place in Egypt. The final round and closing ceremony were hosted by College of Engineering and Technology, Arab Academy for Science, Technology & Maritime Transport (AASTMT) on 15th of August 2022 with more than 300 participants. The participants were given certificates issued by Egypt Makes Electronics-Borg, ITIDA, and AASTMT. The event was supported by volunteers from the IEEE STEM outreach program dedicated to STEM outreach activities at AASTMT, Mu Beta Kidzineers.



International Informatics Olympiad In Teams (IIOT)

Was held in AASTMT Portsaid Campus, and co-organized by AAST Regional Informatics center. Competing in the finals were 31 teams out of 50, selected through several international qualifiers organized over four months.



MSI Typing Marathon

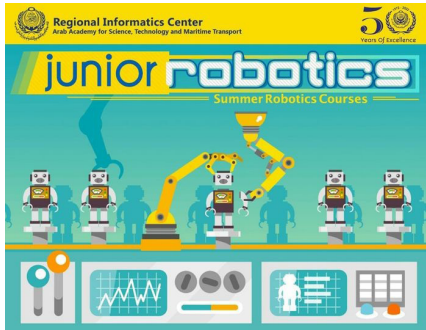
An MSI Marathon was held on 19th of April 2022 at College of Engineering

and Technology Abu Kir organized by IEEE AAST SB Alex. The marathon was opened to all university students under the title "MSI Keyboard Typing Marathon". It is considered the first and largest competition in the speed of typing on the keyboard, and prizes were awarded to the first and second place winners in the competition from MSI Gaming.



Juniors Summer Camps by AAST RIC

Two summer camps for school students were organized by Regional Informatics Center in summer 2022. The camps targeted students from 7-14 and 9-14 years old. The first camp was held in June, and was based on Robotics and AI, while the second camp was held in August, and was based on robotics using LEGO Mindstorms.



Hands-on Discover Snap Circuit Electronics Workshop

A two-day hands-on snap circuit electronics workshop with certificates for 8-12 years pre-university students was held in February 2022 with 15 participants followed by a challenge called "Don't Buzz the Snap Circuit Wire". The students were introduced to the importance of electronics and

electronic components in various modern technologies with examples. They also had various hands-on projects to work on using snap circuits. The workshop was organized by the award-winning STEM outreach program dedicated to pre-university at AASTMT, Mu Beta Kidzineers. The workshop was supported by IEEE Region 8 and IEEE STEM champion programs. All students were asked to complete the snap-circuit wire challenge, and select a project to be carried out using snap-circuits, and present their design to the volunteer committee.



Robotak

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 program robots. It all started in early 2020, during the height of the corona epidemic. A combination of online and offline methods used to provide the project's services.



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. Beaver 2022 edition had 3000 participants.



ECPC and ACPC - ECPC (Egypt Collegiate Programming Contest) and 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. This edition had 600 hundred students forming 150 competing teams from 22 Arab and African countries.



MATE 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. ROV 2022 edition was the 10th anniversary since the beginning of the competition.



RoboCup

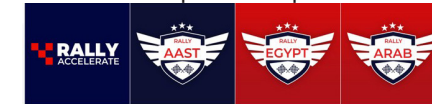
Was founded in 1997 with the main goal of "developing by 2050 a Robot Soccer team capable of winning against the human team champion of the FIFA World Cup". In the next years, RoboCup proposed several soccer platforms that have been established as standard platforms for robotics research.

RoboCupJunior is a project-oriented educational initiative that supports local, regional and international robotic events for young students. It is designed to introduce RoboCup to primary and secondary school children, as well as undergraduates who do not have the resources to get involved in the senior leagues. The focus in the junior league is on education.



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.



Prelim Stage of IEEE-YESIST12-2022

The second annual IEEE-YESIST12 prelim stage competition was held on 3rd-4th July 2022 organized by IEEE-HKN Mu Beta Chapter at AASTMT, Alexandria. IEEE-YESIST12 is a global platform to showcase valuable projects and to get recognized in a global community. It is a two-tier global competition with five different tracks over two phases

opened for school students up to young professionals. The prelim stage was hosted by College of Engineering and Technology at Arab Academy for Science, Technology & Maritime Transport Abu Kir. The competition had 120 participants from around Egypt with 50 teams in all tracks.



AYB-AAST

is a Franchise of AYB-SD at AAST (Academy 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 was 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 program.



EVENTS

Nasr Youth Center “Special Abilities and People of Determination” Team at AASTMT AbuKir Campus

Prof. Dr. Ismail Abdel Ghafar Ismail Farag - President of the Arab Academy for Science, Technology and Maritime Transport (AASTMT) welcomed “Nasr Youth Center” Team of “Special Abilities and People of Determination” on Monday 27- 12- 2021, at AASTMT AbuKir Campus – Alexandria, as His Excellency praised the superiority of the team over 42 clubs with disabilities with Down and Autism, as well as for achieving the overall first place in the Championship for Special Abilities.



International Day for Women in Maritime - 18 May

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) in cooperation with the Maritime Transport Sector in the Arab Republic of Egypt organized the celebration of the “International Day for Women in Maritime 2022”, that will be held on Wednesday 18- 5- 2022, at AASTMT El-Alamein Campus. It is worth to mention that the celebration activities will be held as keeping on implementing the resolution of the General Assembly of the International Maritime Organization (IMO) at its thirty-first session at the end of 2019 that entitled “Preserving the legacy of the global maritime logo for 2019 and Supporting a barrier-free working environment for Women in Maritime”.



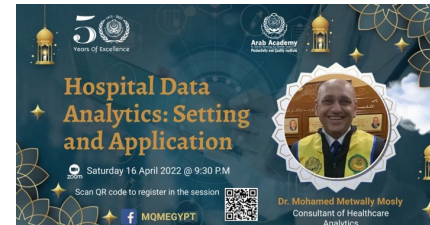
Bioinformatics Workshop at AASTMT Cairo Campus College of Computing and Information Technology

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) College of Computing and Information Technology in Cairo in cooperation with the Empowering Computational Biology and Bioinformatics Research project in Egypt (EG-CompBio), funded by the German Egyptian Progress Partnership Program (DAAD) organize a “Bioinformatics workshop” under the auspices of H.E Prof. Dr. Ismail Abdel Ghafar Ismail Farag - AASTMT President, as for AASTMT orientation toward the Interdisciplinary Programs.



Hospital Data analytics: Setting and Application Webinar

The symposium organized by the Department of Community Service and Environmental Affairs at the Institute of Productivity and Quality entitled “Hospital Data analytics: Setting and Application” is presented by Dr. Mohamed Metwally Moussali - Healthcare Data Analysis Consultant - on Saturday, April 16, 2022, at half past nine in the evening, Cairo time, via Zoom.



Fifth Technical Education Forum” at AASTMT Industry Service Complex

AASTMT Industry Service Complex organized the “Fifth Technical Education Forum”, during 23 - 24 September 2021, at AASTMT AbuKir Campus in Alexandria. It was held in the presence of H.E Minister Plenipotentiary Doaa Fouad Khalifa - Director of Education and Training Department at the Secretariat of the League of Arab States, H.E Prof. Dr. Ismail Abdel Ghafar Ismail Farag - AASTMT President, H.E Prof. Dr. Ahmed Al-Hayawi - Security-General of Education Development Fund (EDF), H.E Prof. Dr. Ayman Ibrahim - President of Port Said University, and Prof. Dr. Essam Al-Bokl - Dean of AASTMT Industry Service Complex, in addition to a group of people concerned with the development of technical education in Egypt, and a group of AASTMT Officials, as for AASTMT belief in the importance of supporting technical education and the development of its cadres.

AASTMT El Alamein Campus Book Fair

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) El Alamein Campus inaugurated the book fair that is organized by AASTMT Libraries and Information Services Center on Sunday 26- 12- 2021.



The Fourth Edition of the Arab Week for Sustainable Development

Fourth Edition of the Arab Week for Sustainable Development was organized by the League of Arab States, the Ministry of Planning and Economic Development in Egypt, the United Nations, the European Union and the World Bank, during the period from 13 - 15 February 2022, under the theme “Together for Sustainable Recovery”, as to probe ways of alleviating repercussions and negative impacts of coronavirus to help achieve sustainable development goals in Arab countries.



The “Second International Logistics Camp 2022” at AASTMT Alamein City Campus

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) College of International Transport and Logistics in Alamein City Campus in cooperation with the University of Valladolid in Spain organized the activities of the second International Logistics Camp “ILC 2022”, under the title: “Leadership in Global Supply Chains”, during the period from 1 - 3 August 2022.





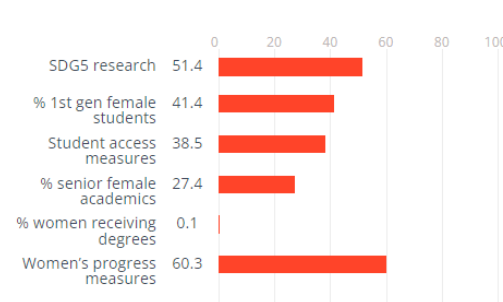
GOAL 5 - GENDER EQUALITY

5

OUR AIM IN 2021-2022

AASTMT aims to advance gender equality as part of its commitment to sustainable development goals, fostering an inclusive environment that empowers and supports the full participation of all genders in academic and professional pursuits.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

Our progress through 2021-2022 for SDG 5, we have made significant strides in promoting gender equality at AASTMT. We've implemented targeted initiatives, fostering an inclusive culture and ensuring equal opportunities for all, reflecting our ongoing dedication to these important goals.

COMMUNITY ENGAGEMENT

GENDER EQUITY IN CITIES OF THE MENA REGION (WOMEN'S RIGHT TO THE CITY)

The Series is an initiative to raise the awareness of gender equity in the MENA cities. Women who contribute effectively in the urban workforce, with a high percentage of mobility, must be respected and made feel safe. In conservative societies such as the MENA, gender equality faces many challenges due to customs and

traditions. The authors aimed to foster women's rights in the city and emphasize the notion of city gender friendliness. The authors addressed women's rights in the city within different subjects & related domains that go beyond the three parameters of the United Nations Gender Inequality Index (GII) health, empowerment, and labor market. The discussions looked deeply at the causes of the limited performance of MENA cities according to the GII and

posed several related questions. Are women's rights respected within the design of the new cities? Are women's rights taken into consideration while developing/ eradicating informal settlements? Is the female perspective regarded in public spaces? Do women have adequate transportation choices that enable them to actively engage in the labor market? All these issues were discussed among various stakeholders from multidisciplinary backgrounds. This provided timely input in the current quest for inclusive urban development and addressing both the SDGs and the New Urban Agenda.

TOWARDS AN INTEGRATED EGYPTIAN MARITIME TRANSPORT SECTOR: HORIZONTAL AND VERTICAL INTEGRATION OF EGYPTIAN COMMERCIAL PORTS on the AASTMT news page

Gender and Governance Diploma

It is the first program in the field of gender organized by the Arab Academy for Science, Technology and Maritime Transport (the Arab Institute for Leadership Development) in cooperation with the Arab Women Organization. The program grants a professional diploma in gender equality and governance studies and comes in response to the development in contemporary thinking in development, which attaches great importance to gender equality issues and aims to achieve real development that employs all resources and meets all other needs in ways that ensures quality and justice among all members of society.

Gender and Governance Diploma on the AASTMT news page

Women's Empowerment and Economic Development in the Third Millennium



EVENTS

International Day for Woman in Maritime-18 May



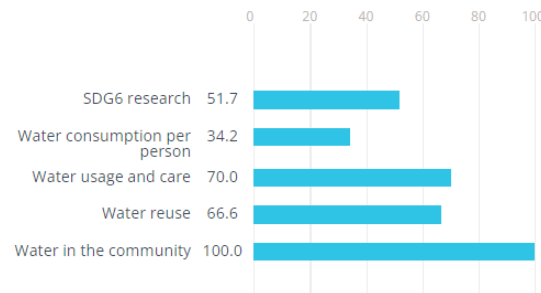
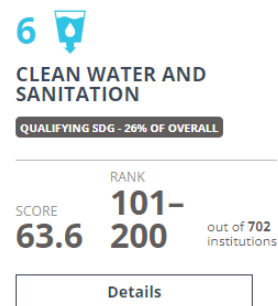


GOAL 6 - CLEAN WATER AND SANITATION

OUR AIM IN 2021-2022

Enhance the AASTMT community's participation by actively engaging with the local community to support those in need of increased water resources and improved waste management. Additionally, raise awareness about water conservation, advocate for mindful water usage, and collaborate with stakeholders to address water security concerns. Furthermore, apply scientific research to enhance the quality of campus groundwater, specifically for irrigation purposes.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

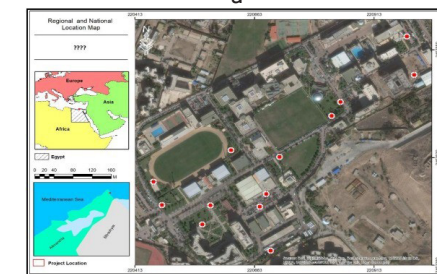
In 2021-2022, AASTMT played a key role in advancing SDG6 by dedicating itself to enhancing education, research, and capacity-building in the water sector. This involved conducting internally funded research and collaborating on international projects related to water resources management. AASTMT also prioritized community engagement at both local and global levels to raise awareness about water resources management, waste management, and sanitation.

Internally Funded Research Initiatives and Projects related to Water Resources Management and Underground Water Treatment Monitoring, Assessment, and Innovative Treatment Technology to Enhance Groundwater Quality for Irrigation Toward Climate Change Adaptation

The AASTMT - AbuQir Campus project addresses rising concerns about pollution in aquatic resources and climate-induced changes affecting

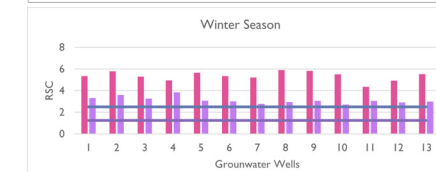
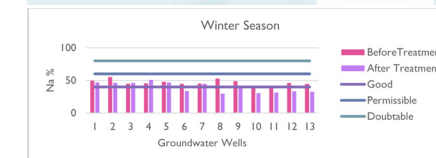
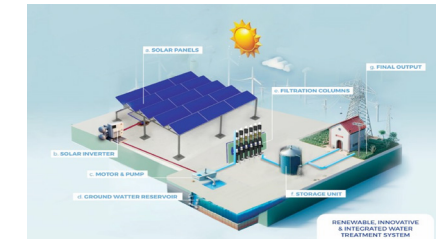
freshwater quality, vital for drinking, the food industry, and irrigation. Focused on groundwater as a key solution, especially in arid regions, the project aims to improve water quality from 13 borehole ground wells at Abu Qir Campus near Alexandria City's eastern shore. Fully funded by AASTMT, it involves analyzing water samples to assess pollution regionally and temporally, correlating findings with environmental conditions, and employing nanotechnology for enhanced water quality. The main

objective is to improve water quality through seasonal sampling and subsequent enhancements.



Study Area (A) and Locations of the Borehole Wells and Sampling Sites (B & C)

Currently, a renewable, innovative & integrated water treatment unit is being developed to power a three-phase pump, serving the dual function of lifting water from a well and subsequently channeling it through a state-of-the-art four-stage nano-filtration system, thereby ensuring its purity and suitability for various applications, including cultivation and drinking.



Monitoring, Assessment, and Innovative Treatment Technology to Enhance Groundwater Quality for Irrigation Toward Climate Change Adaptation on the AASTMT web page

Aquaculture Research Center (2010-present)

The Aquaculture Research Center focuses on integrated tasks: water, energy, and food. It utilizes a hyonic system for soil-less plant cultivation, promoting rapid growth and higher yields with a 95% reduction in water usage. Additionally, rainwater harvesting from greenhouse roofs, with a total capacity of 5,000 liters, sustains the hyonic system and fertilizer production units year-round in response to Alexandria's heavy rainy seasons.



Aquaculture Research Center (2010- present) on the AASTMT web page

Environmental Research Facilities at AASTMT

AASTMT's Environmental Research Facilities are state-of-the-art centers

focused on studying environmental, energy, and climate change parameters. These facilities support rigorous research by postgraduate students and faculty in sampling, analysis, and data interpretation. They encourage collaborations with national and international institutions, government bodies, and industries to address global environmental challenges and promote sustainable practices. Prioritizing wastewater analysis and water quality studies, these facilities also provide environmental consultations and training.



Environmental Research Facilities at AASTMT on AASTMT web page

COMMUNITY ENGAGEMENT

In its strategy for the period 2021-2022, the AASTMT aimed to increase public engagement to assist people with water-related issues and waste management. The academy actively participated in infrastructure projects in collaboration with the government and local authorities. AASTMT focused on supporting initiatives addressing water and waste challenges, playing a proactive role in improving the local environment and enhancing the quality of life for communities. This strategy reflects the AASTMT's commitment to sustainable development and active involvement in environmental and water conservation support.

Cooperations with Government & Local Authorities to implement Large Scale Projects

A Committee To Examine The Problem Of Groundwater In The Villages Of Al-Jaafara And Al-Qaftia In Aswan

Major General Ashraf Attia, Governor of Aswan, assigned Assistant Secretary General Major General Ayman Reda to head a technical and field committee that includes consultants and specialists from the Faculty of Engineering at ASWAN University and the Arab Academy for Science, Technology and Maritime Transport to examine the problem of high groundwater levels in the villages of Al-Jaafara and Al-Qaftia in Daraw Center. This is within the framework of serious endeavor to interact with public issues and demands, and in the presence of officials of the executive authorities from the National Authority, the Drinking Water, Sanitation and Housing Company, and the head of the local unit of the center and city of Daraw.

الرئيسية < أخبار المحافظات

تكليف لجنة فنية لدراسة تراكم المياه والبرك بمنطقة الخور والشطب قبلي بأسوان

الأربعاء، 04 أغسطس 2023 11:14 ص



اللجنة الفنية لبحث أسباب تراكم المياه

مشاركة

كلف اللواء أشرف عطية محافظ أسوان ، لجنة فنية برئاسة السكرتير العام المساعد ، اللواء أمين رضا لتقييم بالمعنية الميدانية لبحث وإدارة أسباب مشكلة ظهور البرك والمستنقعات وتراكم المياه بالمنطقة الخور والشطب قبلي بمركز دراو .

وأكد اللواء أمين رضا بأن اللجنة تضم إثنين ومختصين من كلية الهندسة والأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري ، خاتمة على مستوى الجهات التنفيذية من الهيئة القومية وشرطة مياه الشرب والصرف الصحي والإسكان ومجلس المدينة ، مشيراً بأنه تم البدء في تنفيذ العمل المعجل من خلال استدعاء عريت المسح التابعة لشركة المياه للشطب وحسب كافة كميات المياه المتراكمة في غرف الصرف الصحي والمنطقة المحيطة بمبازات الإسكان الاجتماعي ، مع القيام بمراجعة وتطوير وتسيك شبكات الصرف والإهتمام منها بالكامل خلال ثلاثة أيام ، وتوفير أغلبية لها .

كما أوضح أمين رضا بأن اللجنة أوصت بسرعة إعادة صيانة وتشغيل 4 أبرم معطلة لتزويد دورها في سحب واستيعاب المياه الجوفية لتحد من تأثيرها السلبى بمسكن قرية الشطب قبلي . لافتاً إلى أنه فور انتهاء اللجنة من إعداد تقرير لمصالح يضم كافة الأسباب والتوصيات والطول الفنية والهندسية المطلوبة سيتم عرضه على محافظ أسوان لاتخاذ الخطوات التنفيذية للتحول الجارية لهذه المشكلة وتلبية مطالب المواطنين بهذه المنطقة المستنقعات والمستنقعات من صعوبة حركة المدخل والخروج لمنازلهم بسبب هذه المستنقعات ، بجانب خطورتها على الصحة الإنسانية للمبازات السكنية والبيوت الريفية ، بالإضافة إلى تسببها في التلوث البيئي وانتشار البياض والذباب وغيرها من الزواحف والحشرات الضارة بالمنطقة.

A Committee To Examine The Problem Of Groundwater In The Villages Of Al-Jaafara And Al-Qaftia In Aswan on Youm 7 newspaper web page

AASTMT Helps in Solving Groundwater Problem In 'Drao' Streets

Governor Ashraf Attia has appointed a technical committee, led by Assistant

General Secretary Major General Ayman Reda, to address water accumulation issues in Al-Khor and Al-Shatb Qebli areas in Daraw. The committee, comprising experts from the Faculty of Engineering and AASTMT, is focused on urgent solutions. Water suction vehicles are draining accumulated water, and the committee aims to review, clean, and unclog sewage networks within three days. Additionally, the committee recommends the rapid maintenance and operation of four inactive wells to address groundwater concerns. A detailed report, including causes and solutions, will be presented to the governor for comprehensive implementation.



AASTMT Helps in Solving Groundwater Problem In 'Drao' Streets on AASTMT web page

Local & Regional Cooperation

A scientific protocol between the Alexandria Drinking Water Company and the Arab Academy for Science and Technology and In Aswan



A scientific protocol between the Alexandria Drinking Water Company and the AASTMT on Alexandria Drinking Water Company web page Protocol Signing Between The Arab Academy For Science, Technology And Maritime Transport And The Drinking Water And Sanitation Company In Aswan on AASTMT page International Cooperation

AASTMT Member in The Global Water Operators' Partnerships Alliance (GWOPA)

The Global Water Operators' Partnerships Alliance (GWOPA), led by UN-Habitat, was established in 2009 to facilitate Water Operator's Partnerships (WOPs) — collaborative initiatives between water and sanitation operators to enhance capacity and performance in

line with the Sustainable Development Goals (SDG) for universal access to water and sanitation.



UN-HABITAT FOR A BETTER URBAN FUTURE

Supporting the member strategy and activities in collaboration with Member Partners and Members under consultation with UN-Habitat and the International Steering Committee.

The GWOPA Secretariat is hosted at the UN Bonn Centre in Bonn, Germany, thanks to a funding agreement with the German Federal Ministry of Economic Cooperation and Development (GIZ).

From 2019-2019, GWOPA was based in Barcelona, Spain, with the financial support of the Spanish Agency for International Development (AECID) and the City of Barcelona.

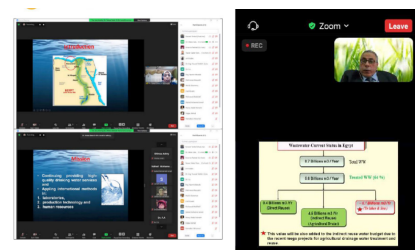
List of members

Organization	City	Country	Region	Constituency	Website
Arab Academy of Science, Technology and Maritime Transport (AASTMT) Egypt	Alexandria	Egypt	MED	research and learning institutions	https://www.aastmt.edu/eg/
Arab Chamber of Water Utilities Association (ACWUA) Jordan	Amman	Jordan	MED	association of water and sanitation utilities	www.acwua.org/
International Arab Water Resources Association (IAWRA) Cairo, Egypt	Cairo	Egypt	MED	non-governmental organizations	
International Arab Water Resources Association (IAWRA) Cairo, Egypt	Cairo	Egypt	MED	non-governmental organizations	

AASTMT Member in The Global Water Operators' Partnerships Alliance (GWOPA) on GWOPA website page

Mediterranean Quadruple Helix Approach to Digitalization Funded Project (2020- present)

The MED-QUAD project aims to address the innovation and growth challenges faced by micro enterprises in Mediterranean regions by fostering cooperation among universities in six countries. Focused on the Quadruple Innovation Helix, the project involves universities acting as "civic universities" in collaboration with cities, socio-economic stakeholders, and citizens. Two cross-border Living Labs will be established to implement pilot activities for technological transfer and research commercialization. The project will focus on Smart Water Use Applications for water optimization and Applied Research for Cultural Heritage Exploitation for cultural heritage promotion. Consortium countries are Greece, Italy, Egypt, Jordan, Palestine, Tunisia.



Mediterranean Quadruple Helix Approach to Digitalization Funded Project (2020- present) on ENICBCMED page

INITIATIVES

AASTIANS Go Green (2020- Present)

From the headquarters of the Academy at the Smart Village, AASTIANS Go Green is an initiative that started in 2020 till present which exhibited a series of awareness and activities events with AAST and the community serving all SDG goals. This initiative is part of the Academy's social responsibility and in line with the cooperation agreement signed with the Minister of Local Development, and Dr. Ismail Abdel Ghaffar Ismail, the President of the AASTMT, regarding the planning and implementation of the "GO Green" campaign.



The launch of the Green Project for Arab Youth at the Arab Academy in Smart Village on El Dostor newspaper web page

The launch of the Green Project for Arab Youth at the Arab Academy in Smart Village on Al Masry Al Youm newspaper web page

The launch of the Green Project for Arab Youth at the Arab Academy in Smart Village on El Watan News newspaper web page

"Towards a Green Sustainable Future" (2022- Present)

The AASTMT Committee for Sustainable Development Goals (SDGs) has initiated a program to educate teachers and students on UN-set SDGs. The three-stage initiative involves training workshops for teachers and students in seven Alexandria schools, followed by ongoing support for implementing

learned strategies, including financial and logistical aid for energy and water-saving initiatives. The final stage includes a competition at the Academy's headquarters to identify schools excelling in SDG implementation, showcasing success stories. The initiative promotes quality education, introduces smart components, supports student ideas, and focuses on water and energy, aligning with SDG 6, 7, 11, 13, and 17 for sustainable development and climate resilience.



"Towards a Green Sustainable Future" (2022- Present) on AASTMT web page

EVENTS

Workshops and Training Programs

"Water Quality Measurements and Laboratory Techniques" Workshop (free) A free 2-day training session on Water Quality Measurements and Laboratory Techniques for young water engineers, technicians and professionals organized between AASTMT and Alexandria Water Company (AWCo). The activity was planned to contribute to SDG 6, SDG 13 and SDG 15.



Water Quality Measurements and Laboratory Techniques Workshop on AASTMT page

Seminar for "Pathway to Water Security in Egypt through Reverse Osmosis Desalination"

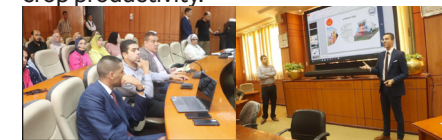
As part of the participation of the College of Engineering and Technology at the main campus of the AASTMT in Abu Qir in celebrating Egypt's hosting of the 27th session of the international climate conference COP27, the Department of Mechanical Engineering provided a lecture on: "The Path to Water Security in Egypt through Reverse Osmosis Desalination." Desalination of seawater is considered an important tool for safeguarding the future of water resources in Egypt.



Seminar for Pathway to Water Security in Egypt through Reverse Osmosis Desalination seminar on AASTMT page

Participating of a Number of Responsibility Centers and Students in Port Said Governorate to Raise Awareness Of The Sustainable Development Goals In Presence of Cooperation Parties Of Common Interest

Recently, department heads and students from the Faculty of Engineering and Technology collaborated with government bodies and local stakeholders in Port Said Governorate for a significant event at the Diwan. Discussions also revolved around food waste recycling and raising awareness among Egyptian farmers about climate change threats, including land erosion, desertification, soil salinity, and reduced crop productivity.



7 AFFORDABLE AND CLEAN ENERGY

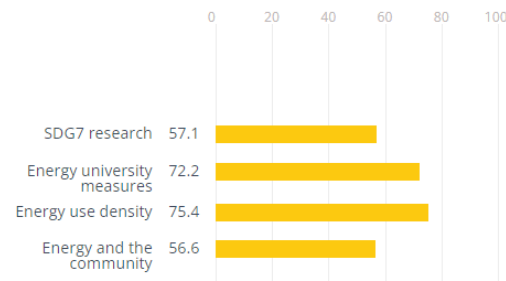


GOAL 7 - AFFORDABLE AND CLEAN ENERGY

OUR AIM IN 2021-2022

Towards Energy Saving, Emissions Reduction and Diversion to Renewable Energy as well as Developing Further Co-operation with Government and Public Enterprises to Sustain Serving the Environment and Surrounding Community.

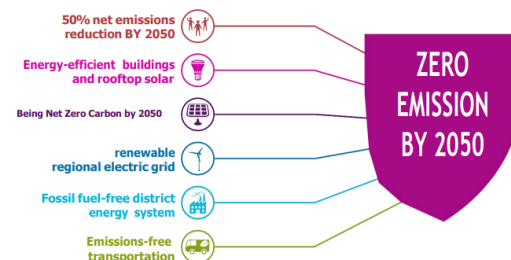
THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022



AASTMT PATHWAY TO ZERO (GHGs)



Efforts toward Energy Saving and Emissions Reduction

In accordance with AASTMT strategic plan and its Green Energy and Energy Management Policy, AASTMT's Energy Research Unit and Energy Management Committee put forward several strategies to reduce and rationalize electrical consumption to combat high energy usage and reduce gas emissions as shown in its Energy Report 2021/2022.

[Green Energy and Energy Management Policy on the AASTMT web page.](#)

[Energy Report 2021/2022 of AASTMT Alexandria Campuses on the AASTMT web page.](#)

[Energy Saving and Emissions Reduction Plan on the AASTMT web page](#)

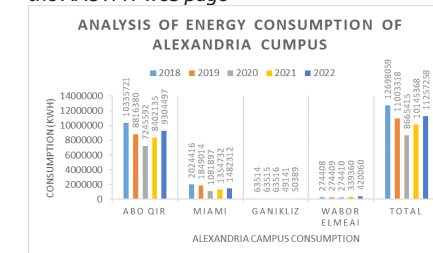


Figure 1: Energy consumption in AASTMT Alexandria Campuses from 2018 till 202

AASTMT took severe actions towards climate change and gas emissions reduction through the following processes;

AASTMT Climate Action Plan: Towards Zero Emissions by 2050.

[AASTMT Climate Action Plan on the AASTMT web page](#)

Carbon Footprint Estimation and Reduction Project: in the AASTMT Campus: Towards developing a Model for Promoting Sustainable Development Goals (Green Campus).

[Carbon Footprint Estimation and Reduction Project on the AASTMT web page.](#)

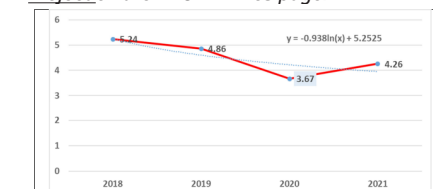


Figure 2: Calculated kg CO₂-e/m² Emissions in AASTMT Alexandria campuses

Energy-related Research Projects

AASTMT staff is engaged in many research projects, as shown in Table 4, that cover periods in 2021/2022 and serve renewable energy and energy-efficiency technology to contribute in energy-related innovations and support diversion to clean affordable energy to everyone.

Support to Startups and Innovations

AASTMT establishes entities, agreements and initiatives to support energy-related innovations and start-ups.

Launch of "Innovation One-stop-shop (IOSS)" entity

That offers tailor-made services (knowledge, technical assistance, consultancy, and networking opportunities to run a successful innovative RE business and startups in Egypt.

Innovation Day 2022

In light of AASTMT support for appreciating the efforts of its students, presenting their high-level ideas and innovations, qualifying their graduates for the requirements of the labor market, and displaying distinguished graduation projects that enhance their ability to achieve sustainable success.

[the Innovation Day 2022 on the AASTMT web page](#)



The Entrepreneurship Center at AASTMT

Is keen on supporting innovations and

startups in the field of green energy and sustainability, in addition to delivering trainings, workshops and mentorship camps. Table 5 shows Spin-offs supported by AASTMT Entrepreneurship Center.



Agreements with National and International Entities to Support Clean Energy Technology Locally and Regionally

- Memorandum of Understanding between AASTMT - College of International Transport & Logistics and Engineers Syndicate-Energy Committee and Cairo Engineers Syndicate-Energy Committee in the field of renewable energy and sustainable development.
- Memorandum of Understanding (MoU) between AASTMT and Housing and Building National Research Center (HBRC) to foster applied research projects and curriculum and instruction development that are driven by challenges faced in the energy sector
- MoU between AASTMT and the Regional Center for Renewable Energy and Energy Efficiency (RCREEE) to provide a general framework for cooperation between parties governing collaborative efforts on the deployment of Renewable Energy principals.

COMMUNITY ENGAGEMENT

AASTMT Energy Research Unit is keen on serving the community towards energy efficient systems and clean energy via offering free trainings, workshops and consultancy.

[Energy Research Unit on the AASTMT web page](#)

Free Training Courses

Renewable Energy Systems; Solar energy; Practical fundamental solar energy; Wind Energy System; Energy Management and Auditing (EMA); Building Management system (BMS)

Free Workshops and Seminars

- "Electrical Energy Efficiency Toward the Achievement of SDGs in Marine Applications: Power Drives, Shore Supply, Digitalization, Sustainability" Workshop. *Electrical Energy Efficiency Toward the Achievement of SDGs in Marine Applications: Power Drives, Shore Supply, Digitalization, Sustainability* Workshop on the AASTMT web page
- MAIA-TAQA Certified Course (Online and on Campus) in Resource-efficient solutions for PV Systems Design and Battery Storage. *A MAIA-TAQA Certified Course (Online and on Campus) in Resource-efficient solutions for PV Systems Design and Battery Storage* on the AASTMT web page
- Marine Renewable Energy Workshop: Workshop about Energy efficiency and renewable energy in marine applications. Marine Renewable Energy Workshop: Workshop about Energy efficiency and renewable energy in marine applications on the AASTMT web page. *Marine Renewable Energy Workshop: Workshop about Energy efficiency and renewable energy in marine applications on the AASTMT web page*
- Green Environment Workshop. *Green Environment Workshop on the AASTMT web page*
- Green Hydrogen Current and Future Prospects Workshop
- Climate Protectors Initiative. *Climate Protectors Initiative on the AASTMT web page*
- "Go Green" workshop. *Go Green" workshop on the AASTMT web page*

Free Consultancy

- A visit to the Industrial Technical Secondary School for Drinking Water and Sanitation in Alexandria to rationalize energy consumption and increase energy saving.



A visit to the Industrial Technical Secondary School for Drinking Water and Sanitation on the AASTMT web page

- AASTMT Visit to Alexandria Drinking Water company to discuss the joint work between both entities and improve energy efficiency in the company. *AASTMT Visit to Alexandria Drinking Water company* on the AASTMT web page
- Visit and Preparation of development plan, for AbuKir National Hospital, to rationalize energy consumption, increase energy saving and improve its efficiency. This was established as one of the outcomes of the UN Project Sustainable Energy Access & Climate Action Plans (SEACAP 4SDG).



Engage Students in Energy-related Projects, Trips and Seminars

Visit to "The Arab Renewable Energy Company Organization (ARECO)"



- Egyptian Photovoltaic Energy Market Seminar



- Samples of 2022/2023 Graduation Projects of Electrical and Control Eng. Department.



PV-based Electric Scooter charging Stall



Smart PV-based Recirculating Aquaculture System (RAS)

EVENTS

AAST is keen on promoting green energy and energy saving awareness not only among all its campuses, but beyond its walls as well, via campaigns, initiatives and even competitions!!

- **Visit of the IOSS center to AASTMT** and the AASTMT Energy Research Unit participated in this pilot site visit. *Visit of the IOSS center on linkedin*

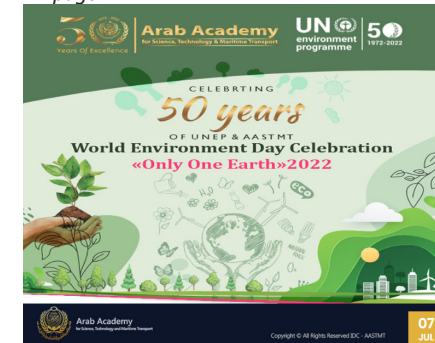


- **Initiative Towards a Green and Sustainable Future** With the participation of the Academy's sustainable development team, AASTMT hosted this initiative where 7 schools attended. The aim of the initiative was to open avenues of cooperation between the academy and schools to educate students and educational institutions towards the goals of sustainable development.



Initiative Towards a Green and Sustainable Future on the AASTMT web page

- **"World Environment Day 2022"** organized by AASTMT within its role in sustainable development and environmental protection. *World Environment Day 2022 on the AASTMT web page.*



- **IEEE YESIST12 Prelim 2022** hosted by College of Engineering and Technology (AASTMT) where competitors come from all over Egypt (undergraduates, graduates and postgraduates) to compete upon tracks that serve different sustainable development goals. *IEEE YESIST12 Prelim 2022 on the AASTMT web page*
- **AASTIANS Go Green Initiative: "Arab Youth Green Venture" project.** AASTIANS Go Green Initiative: "Arab Youth Green Venture" project on Dostor newspaper page. AASTIANS Go Green Initiative: "Arab Youth Green Venture" project on Al Masry AlYoun news. This initiative started, from the headquarters of the Academy at the Smart Village, in 2020 till present exhibiting a series of awareness and activities events with AAST and the community.



- **Climate Protectors Initiative** organized by AASTMT headquarters in Abikir Campus. Climate Protectors Initiative on the AASTMT web page. 41 students from different Academy's branches participated in the event.

- **"Prepare for Green" symposium** within the frame of the national strategy for sustainable development "EGYPT 2030" and the initiative of AASTMT to raise environmental awareness within its headquarters. *Prepare for Green" symposium on the AASTMT web page.*



- **BE POSITIVE Campaign** organized by the ENERGY UNIT in AASTMT to give awareness on the importance of reducing energy use in concern of realizing and activating sustainable developments goals.



- Announcing the foundation of NET ZERO Emission Community to spread green energy awareness and encourages energy conservation initiatives.





GOAL 8 - DECENT WORK AND ECONOMIC GROWTH

OUR AIM IN 2021-2022

AASTMT's commitment to SDG 8 revolves around creating pathways to "decent jobs" for its students and staff. This involves expanding practical training opportunities, enhancing employability, and fostering industry partnerships to stimulate economic growth and quality job creation.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

AASTMT Promotes Decent Employment Practices

In line with AASTMT's alignment with SDG8 (Decent Work and Economic Growth), the AASTMT ensures that it Pay all staff and faculty more than the local living wage. This is a result of AASTMT's belief that its human resources are one of its main core competences. For that reason, the AASTMT has developed a (Pay Scale Equity Employment Policy), that supports the principle of equal employment opportunity, as defined in Egyptian Labor Law Article 35, and thinks that as part of that Law, all employees

should receive equal compensation and treatment. For more information about our pay scale equity employment policy, please visit the following link: https://aast.edu/en/sdg/goals.php?unit_item=1208&page_id=120800002

AASTMT is committed to providing an equitable and inclusive environment that not only adheres to the principles of SDG 8 but actively contributes to its realization. By fostering a campus culture that values diversity and ensures that every member of the AASTMT community is treated with respect

and dignity, the institution actively supports SDG 8's vision of promoting fair wages, equal opportunities, and non-discriminatory practices in the workplace and educational settings. For more information about AASTMT anti-discrimination policy, please visit the following link: https://aast.edu/en/sdg/goals.php?unit_item=1208&page_id=120800016

AASTMT actively contributes to the prevention of modern slavery and human trafficking while supporting a fair and just employment environment,



both internally and in its engagement with the broader community. For more information about AASTMT's Policy against Forced labor, modern slavery, human trafficking, and child labor, please visit the following link: https://aast.edu/en/sdg/goals.php?unit_item=1208&page_id=120800006

The "Outsourcing Employment Practices and Equivalent Rights Policy" at the Arab Academy for Science, Technology, and Maritime Transport is in alignment with the eighth Sustainable Development Goal (SDG 8), which advocates for fair employment and decent work. This policy underscores the importance of treating outsourced employees justly and upholding ethical employment standards. It mandates the university to rigorously vet and manage service outsourcing processes, ensuring the protection and welfare of the outsourced personnel. For more information about AASTMT's Employment Practice Equivalent Rights Outsourcing Policy, please visit the following link: https://aast.edu/en/sdg/goals.php?menutab=23&unit_item=1208&page_id=120800003

Providing Internships and Work Placements to Its Students

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) has made significant strides in providing students with valuable opportunities for internships and work placements, thereby aligning with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. These initiatives bridge the gap between theoretical knowledge and practical skills, enhancing students' readiness for the job market both locally and internationally.

One of the key actions taken by AASTMT is the revision of study regulations to make practical training and work placements a mandatory requirement for graduation. This ensures that every student gains at least one month of work placement experience in their field of study.

For more information about practical training for students, visit our website: <https://aast.edu/en/colleges/practical-training/>

Organizing Job Fairs for Students and Graduate at AASTMT

Organizing job fairs for students and graduates at the Arab Academy for Science, Technology and Maritime Transport (AASTMT) plays a vital role in advancing Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. These job fairs create a direct link between education and employment opportunities, fostering a dynamic and competitive job market. AASTMT's commitment to organizing job fairs reflects its dedication to nurturing a skilled workforce, thereby contributing to the achievement of SDG 8 and fostering sustainable economic development in the region.



For more information about the job fairs organized by AASTMT in 2021-2022, please visit our website: https://aast.edu/en/alumni/contenttemp.php?page_id=38600088

COMMUNITY ENGAGEMENT

"Rally 2022 Competition" Finale on 19 July 2022

The "Egypt Entrepreneurship Rally 2022" competition, organized by the Arab Academy for Science, Technology and Maritime Transport (AASTMT), in collaboration with the National Bank of Egypt, exemplifies AASTMT's commitment to fostering entrepreneurship and supporting youth development, aligning with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. By creating an environment where young minds can innovate, compete, and showcase their entrepreneurial talents, this event contributes to the goal of providing opportunities for decent work and economic empowerment.



For more information about the event, please visit the following link: https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=178431&event_type_id=1

"World Environment Day 2022" Celebration on 18 July 2022

The "World Environment Day 2022" celebration organized by the Arab Academy for Science and Technology and Maritime Transport (AASTMT) underscores the institution's commitment to environmental protection and sustainability, aligning with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. By dedicating resources and attention to the preservation of the environment, AASTMT contributes to a holistic approach to development that considers the well-being of present and

future generations. By hosting such events, AASTMT promotes a sense of responsibility among its community and showcases its dedication to achieving the goals of SDG 8, which include fostering economic growth, promoting decent work, and preserving the environment for a sustainable future.



For more information about the event, please visit the following link:
https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=178291&event_type_id=1

International Day for Women in Maritime 2022 Celebration by AASTMT on 18 May 2022

The celebration of the “International Day for Women in Maritime 2022” organized by the Arab Academy for Science, Technology and Maritime Transport (AASTMT) in cooperation with the Maritime Transport Sector in Egypt reflects AASTMT’s commitment to gender equality and inclusive opportunities in the maritime industry. This event aligns with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth by highlighting the importance of creating a barrier-free working environment for women in maritime professions.



For more information about the event, please visit the following link:

https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=176631&event_type_id=1

The event, “CLC Cultural Day,” took place on Tuesday, May 10, 2022

The “CLC Cultural Day” event, which took place on Tuesday, May 10, 2022, was organized by the Arab Academy for Science, Technology and Maritime Transport (AASTMT). This event not only celebrated and showcased the rich tapestry of cultures from around the world but also demonstrated AASTMT’s commitment to fostering an inclusive and diverse educational environment. By organizing such cultural celebrations, AASTMT exemplifies its dedication to the principles of Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth.

For more information about the event, please visit the following link:
https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=176481&event_type_id=1



The event, “Go Green” Workshop” took place on January 10, 2022

The “Go Green” Workshop, held on January 10, 2022, at the AASTMT Smart Village Campus, aligns with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. While the primary focus of the workshop is environmental awareness and sustainability, it indirectly contributes to the goals of SDG 8 in several ways. It promotes the development of green jobs by raising awareness about environmental issues and emphasizing sustainable practices.



For more information about the event, please visit the following link:
https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=172931&event_type_id=1

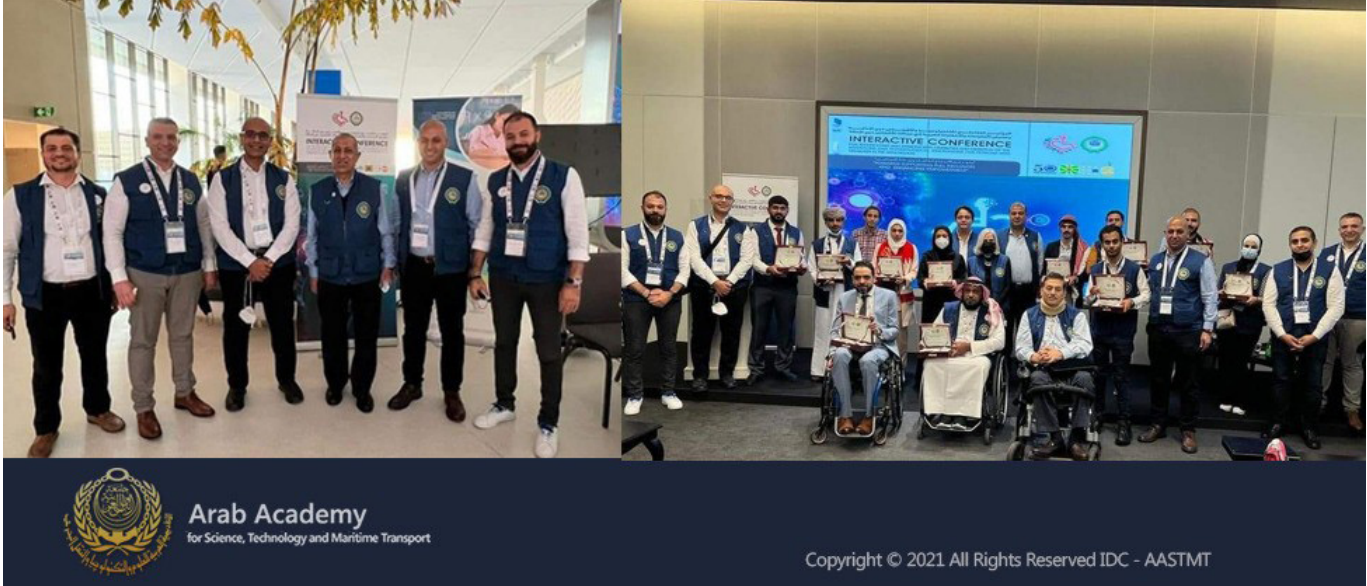
AASTMT Participates in the inauguration of the interactive conference for Technology and Persons with Disabilities on December 3, 2021

AASTMT’s participation in the interactive conference for Technology and Persons with Disabilities, held at Expo 2020 Dubai in the UAE on December 3, 2021, reflects the academy’s dedication to Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. This event, organized in collaboration with international organizations and co-curated with the UAE Ministry of Community Development, focuses on empowering individuals with disabilities and advancing innovations in assistive technology. By actively engaging in these discussions and exhibitions, AASTMT contributes to the goal of “decent work” by advocating for equal employment opportunities and the empowerment of persons with disabilities, which are essential components of a diverse and inclusive workforce that drives economic growth.

https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=171861&event_type_id=1

AASTMT participates in organizing Africa and Arab Collegiate Programming Championship in Luxor on December 05, 2021

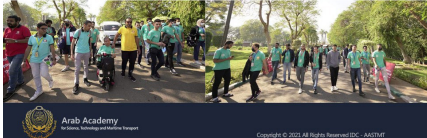
The Africa and Arab Collegiate Programming Championship (ACPC 2021), organized by AASTMT in collaboration with the Egyptian Ministry of Communications and Information Technology, is a significant event that aligns with Sustainable Development Goal 8 (SDG 8) on Decent Work and



Economic Growth. By hosting this competition in Luxor and attracting 600 students from 13 Arab countries and 10 African countries, AASTMT promotes education and skills development, which are fundamental aspects of SDG 8.



Africa and Arab Collegiate Programming Championship in Luxor



For more information about the event, please visit the following link:
https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=171891&event_type_id=1

The “Second International Logistics Camp 2022” at AASTMT Alamein City Campus on August 03, 2022

The “Second International Logistics Camp 2022” organized by the Arab Academy for Science, Technology and Maritime Transport (AASTMT) College of International Transport and Logistics at the Alamein City Campus demonstrates AASTMT’s commitment to fostering education and skills development, which aligns with Sustainable Development Goal 8 (SDG 8) on Decent Work and Economic Growth. This camp, held in cooperation with the University of Valladolid in Spain, focuses on the theme of “Leadership in Global Supply Chains.” By bringing together experts, industry leaders, and academic professionals, AASTMT aims to enhance knowledge and expertise in the logistics and maritime transport

sector, ultimately contributing to the development of a skilled workforce.



For more information about the event, please visit the following link:
https://aast.edu/en/news/news-details.php?language=1&view=1&unit_id=1&news_id=178801&event_type_id=1



GOAL 9 - INDUSTRY, INNOVATION AND INFRASTRUCTURE

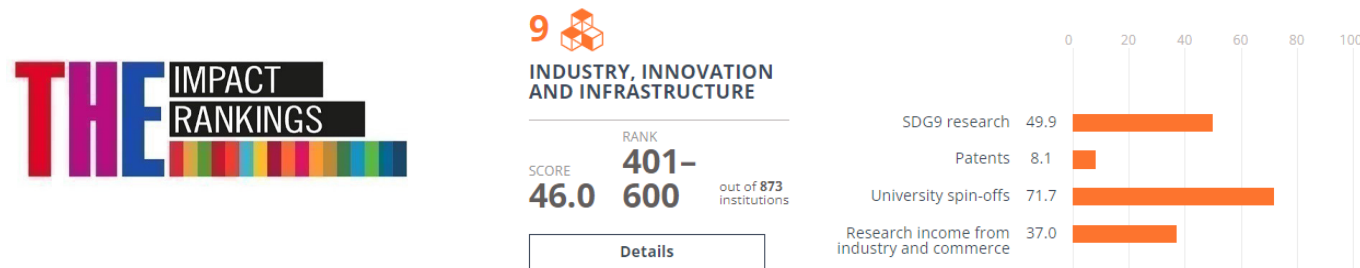
OUR AIM IN 2021-2022

Responsible to support the efforts of the Arab Academy towards transforming into an entrepreneurial university & to be the regional hub that empowers youth, pushing startups and businesses throughout Egypt the Arab region, achieving sustainability of the academic and practical excellence, through the support of creativity and innovation.

AASTMT supporting innovation and linking to industry, through:

- Providing improved framework conditions and knowledge to support industry and academia on how to innovate and accelerate innovative ideas "Stimulating Innovation"
- New mechanisms to support industry and academia to turn those innovative ideas into actual products, processes, services, and business models "Enabling innovation"
- Put new products and technologies on the market, be an integral part of national and global value chains "Commercialize innovation".

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

INCUBATORS, PROGRAMS & COMPETITIONS

1. The Goodwill Incubator, The 1St Business Incubator For Entrepreneurs With Disabilities 2021-Current

The 1St Business Incubator For Entrepreneurs With Disabilities, established in cooperation and sponsorship between Rowad 2030, project of the Ministry of Planning and Economic Development and the Entrepreneurship Center, Good WILL

incubator, support and serve people of determination to become entrepreneurs.
For More View Goodwill Incubator Page



2. Supply Chain Incubator - Annually

AAST Entrepreneurship Center launched the first Supply Chain Incubator in the Arab Region, located in Cairo & Alexandria.

With a clear vision ahead, our Supply Chain focuses on innovative ideas that create new and improved products and services accessible to underserved populations.

For More View Supply Chain Incubator Page



3. Egypt Rally Startup Competition, 2020 - Current

The launch of the Egypt entrepreneurship rally 2022, organized by the Arab Academy for Science, Technology and Maritime Transport, through the Center for Entrepreneurship, in a strategic partnership with the National Bank of Egypt under, the launch, is an important message that the Arab Academy's leadership role in supporting Arab and Egyptian youth, in cooperation with Youth in the Arab world and Egypt.

For More View Egypt Rally Competition Page

For More View Egypt Rally Competition News



4. The Egyptian Olympiad Informatics (EOI) Competition Closing Ceremony - Oct, 2021

Within the framework of the Arab Academy for Science, Technology and Maritime Transport (AASTMT) to pursue continuous development in all areas, closing ceremony of the 14th edition of the Egyptian Olympiad in Informatics

(EOI) that was held at AASTMT New Alamein Campus. It is worth mentioning that the EOI competition is an annual competition in programming held under the patronage of MCIT and executed by AASTMT.

For more Incubators, Programs & Competitions 2021- 2022

Please visit Link Competitions 2021- 2022

Please visit Link Programs & Incubators 2021- 2022

For More View EOI News



INITIATIVES, IDEATION & TRAINING

1. "Bioinformatics Workshop" - Nov, 2021

College of Computing and Information Technology, AASTMT in cooperation with the Empowering Computational Biology and Bioinformatics Research project in Egypt (EG-CompBio), funded by the German Egyptian Progress Partnership Program (DAAD) organize a "Bioinformatics workshop", toward the Interdisciplinary Programs.

For More View Bioinformatics Workshop News



2. Meet The Founders Program by Entrepreneurship Center Over AASTMT Different Branch - Nov- Dec, 2021

- Alexandria Branch -Sessions
- Sheraton Branch -Sessions

- Smart Village Branch -Sessions
- Alamein Branch -Sessions
- South Valley Branch -Sessions
- Port Said Branch -Sessions

For More View Initiatives Page



3. "Go Green" Workshop, Campaign of Plastic use Abatement - Jan, 2022

Raise the environmental awareness at AASTMT Campuses under the umbrella of the Egyptian Ministry of Environment campaign to plastic use abatement.

For More View Go Green News



4. Workshop For The Entrepreneur Incubator For People With Disabilities - Mar, 2022

A workshop for the entrepreneurship incubator specialized in supporting young entrepreneurs with disabilities in partnership with Project 2030 and the Ministry of planning and economic development.

For More View Workshop- Disabilities News



5. The Fourth Edition of the Arab Week for Sustainable Development - Feb, 2022

AASTMT participated in the activities of the 4th Edition of the Arab Week for Sustainable Development, organized

by the the League of Arab States, the Ministry of Planning and Economic Development in Egypt, the United Nations, the European Union and the World Bank, under the theme "Together for Sustainable Recovery".



For more Initiatives & Training 2021- 2022
Please visit [Link Initiatives & Training 2021- 2022](#)
For More View [4th Arab Week for SD News](#)

RESEARCH PROJECTS & PAPERS

Research Projects

- Pr1.**EU FUNDED PROJECT/ MAIA TAQA - Start Sep 2019 -End Aug 2023
Pr2.MONITORING, ASSESSMENT AND INNOVATIVE TREATMENT TECHNOLOGY TO ENHANCE GROUNDWATER QUALITY FOR IRRIGATION TOWARD CLIMATE CHANGE ADAPTATION - Start Oct 2021 -End Nov 2023
Pr3.MAIA TAQA - Start Sep 2019 -End Aug 2023
Pr4.HIGH LEVEL RENEWABLE AND ENERGY EFFICIENCY MASTER COURSES - Start Nov 2017 -End Oct 2021

Research Papers

- P1-**"The Impact of the Covid-19 pandemic on teleworking and the logistics of work in Egypt"
P2-"The Role of Road Transport Infrastructure Investments on Logistics Performance/ A Research Agenda"
P3-"Analysing the barriers of sustainable supply chain in fashion sector/ a review"
P4-"Automation of maritime industry in the era of digitalization"
For Research Papers and Projects Details & Information
Please visit [Link Research Projects 2021 -2022](#)
Please visit [Link Research Papers 2021 -2022](#)

COMMUNITY ENGAGEMENT

Partnerships, Public Engagement



Universities Partners



Governmental Partners



Industrials Partners



For Research Community Engagement
Please visit [Link EC- Cooperation Agreements 2021 - 2022](#)
Please visit [Link EC- Our Partners](#)
Please visit [Link AASTMT Protocols & Partnerships With Industrial Bodies](#)
Please visit [Link AASTMT Protocols & Partnerships With Governmental Institutions](#)

COOPERATION & PROTOCOLS



1."AASTMT" - "ALECSO" Agreement - Oct, 2021
For More View ["ALECSO" Agreement](#)

2."Lebanese Minister of Public Works and Transport" at AASTMT Memorandum of Understanding to

Raise the Level of Arab Maritime for Arab Youth -Oct, 2021
For More View [Lebanese Minister of Public Memorandum](#)

3."AASTMT" - "GAHAR" Protocol of Cooperation, "Health System in the Arab Republic of Egypt" - Jan, 2022
For More View ["GAHAR" Protocol](#)

4.Memorandum of Understanding to Enhance the Role of the Digital Economy to Achieve Sustainable Development AASTMT & The Arab Digital Economy Federation of the League of Arab States - Feb, 2022
For More View [The Arab Digital Economy Federation of the League of Arab States Protocol](#)

5."AASTMT" - "Arab Organization for Industrialization", New Co-operational Agreement - Apr, 2022
For More View [Arab Organization for Industrialization Agreement](#)

6.AASTMT - Arab Women in Maritime Association "Cooperation" - May, 2022
For More View [Arab Women in Maritime Association Cooperation](#)

7.AASTMT Cooperation with "Housing & Building National Research Center" - "Zamil Steel Buildings Company" - Jul, 2022
For More View [Zamil Steel Buildings Company Cooperation](#)

For more Agreements and Partnerships 2021- 2022
Please visit [Link Agreements and Partnerships 2021-2022](#)
Please visit [Link EC -Agreements and Protocols 2021-2022](#)

- The Arab Tourism Organization (ATO), In Digital Entrepreneurship Program (Ted Arabs)
For More View [Grants News](#)
- KIT - The Karlsruhe Institute of Technology and its Techgrow program and is implemented in cooperation with GIZ Egypt
For More View [Grants News](#)

- Entrepreneurship Center At The Arab Academy For Science, Technology And Maritime Transport And The Innovators Support Fund - ISF
For More View [Grants News](#)

- Ministry Of Planning And Economic Development & Entrepreneurship Center
For More View [Grants News](#)

- The African Development Bank and Entrepreneurship Center- Tanimia w Tatwer Incubator
For More View [Grants News](#)

- Entrepreneurship Center and The Bahrain Chamber of Commerce and Industry, and the United Nations Industrial Development Organization (UNIDO)
For More View [Grants News](#)

- Entrepreneurship Center and The National Bank of Egypt - Egypt Entrepreneurship Rally competition
For More View [Grants News](#)

- Entrepreneurship Center and Industrial and the Federation of Egyptian-European business associations CEEBA
For More View [Grants News](#)

- Entrepreneurship Center and Google - Training Entrepreneur Program
For More View [Grants News](#)

- Entrepreneurship Center and Industrial Modernisation Center IMC - Trade and Small Industries
For More View [Grants News](#)

- AAST & USAID Business Egypt
For More View [Grants News](#)

For more Grants 2021-2022
Please visit [Link Grants 2021 - 2022](#)

EVENTS

Conferences & Events

1.Techne Summit Alexandria 2021 - Sep, 2021
For More View [Techne Summit Alexandria](#)



2.The International Association of Maritime Universities Conference 2021 - Oct, 2021
For More View [IAMU-AGA 21](#)

3.The launch of the Interactive Conference & Exhibition of Technology and Persons with Disabilities of Arab Inventions and Innovations - Dec, 2021
For More View [Interactive Conference & Exhibition of Technology and Persons with Disabilities](#)

4.AASTMT President Participates in "The Future of Small & Medium Enterprises: Vision 2030" Conference - March, 2022
For More View [The Future of Small & Medium Enterprises: Vision 2030" Conference](#)



5.The Eighth African Development Senior Managers Forum,"Developing Human Resources Competencies in Seaports and Logistics Sector" - March, 2022
For More View [8th African Development Senior Managers Forum](#)

6.AASTMT Industrial Advisory Council "Session 4" Activities - May, 2022
For More View [Industrial Advisory Council "Session 4"](#)



7.The Ninth African Development Senior Managers Forum, "Sustainable Multimodal Transport in Africa in the Era of Digitalization and 4th Industrial Revolution" - Jun, 2022
 For More View 9th African Development Senior Managers Forum



8.AASTMT Alexandria College of Engineering and Technology "Innovation Day 2022" - Jul, 2022
 For More View Innovation Day 2022



For more Conferences & Events 2021- 2022
 Please visit Link Conferences & Events 2021- 2022

ENTREPRENEURSHIP CENTER AASTMT SPIN-OFFS

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.
[Links to the evidence](#)
[Spin-Offs EC AASTMT Page AQUABOT.EGY](#)
[Spin-Offs Social Media Page](#)



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.
[Links to the evidence](#)
[Spin-Offs EC AASTMT Page ERGOBOTS](#)
[Spin-Offs HomePage](#)
[Spin-Offs News](#)



Farawlatech

Design and implementation of soilless cultivation system to produce strawberry for strawberry producers, based on precession agriculture methodology.
[Links to the evidence](#)
[Spin-Offs EC AASTMT Page Farawlatech](#)
[Spin-Offs HomePage](#)



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.
[Links to the evidence](#)
[Spin-Offs EC AASTMT Page Littless](#)
[Spin-Offs News](#)
[Spin-Offs Social Media Page](#)

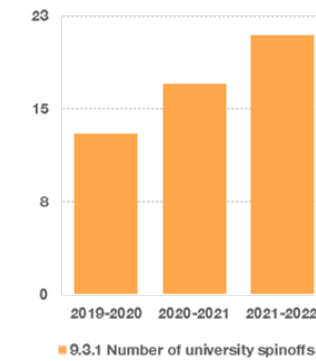


For more Spin-offs 2021- 2022
 Please visit Link Spin-offs 2021- 2022- SDG9 AASTMT Site
 Please visit Link Spin-offs 2021- 2022- EC- AASTMT Site

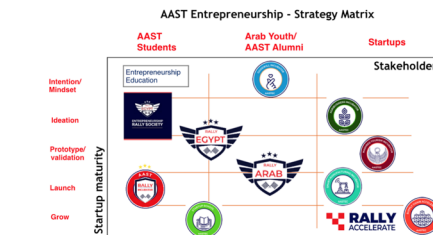
[Spin-Offs Social Media Page](#)

SDG9: Industry, Innovation and Infrastructure

METRIC / INDICATOR	2019-2020	2020-2021	2021-2022
9.3.1 Number of university spinoffs	13	17	21



Entrepreneurship Center AASTMT Spin-Offs, Progress Over the Last 3 Years



Entrepreneurship Center Strategy Matrix 2022-2023

For more Entrepreneurship Center Incubators, Programs & Competitions 2021- 2022
 Please visit Link Entrepreneurship Center WebSite

To View Full SDG9 Report 2021- 2022
 Please visit Link SDG9 Report 21-22

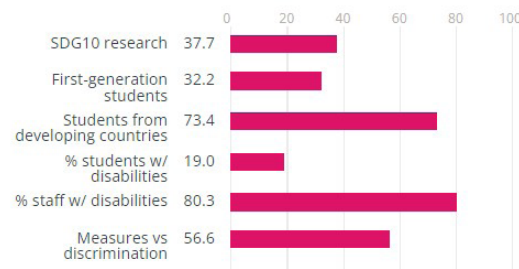
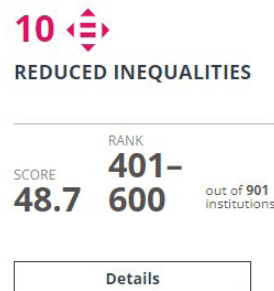


GOAL 10 - REDUCED INEQUALITIES

OUR AIM IN 2021-2022

AASTMT aims to make a significant progress in achieving SDG 10. Through its efforts to enhance access to quality education, promote inclusive and equitable development, and empower people, and help to create a more just and equitable world for all.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

In 2021-2022, AASTMT contributed to SDG10 through its commitment to advancing education, research, and Awareness about reducing inequality between all levels. This has been carried out through conducting events by AASTMT students' affairs and with relevant community stakeholders related to caring about the participation of disabilities in different social and student events. In addition, AASTMT focused on community involvement as our admission policy provides a learning, working and social environment which is free from discrimination, prejudice, intimidation, stigmatization and all

forms of harassment and bullying. Moreover, we are committed to providing equal opportunities, and will work to ensure that all of our staff, students and visitors, as well as those that seek to apply to work or study with us are treated fairly and are not subjected to unlawful discrimination on the basis of age, disability, gender identity, marriage or civil partnership, pregnancy and maternity, race (includes: race, color, nationality, ethnic or national origins) and religion. The AASTMT - Campuses address growing concerns about prohibits any acts of assumptions nor expectations

of our students based on stereotypes of performance and behaviors of particular groups. The religious heritage, scientific, technological, and mathematical achievements, visual arts, music, and literatures of non-Western societies and other groups are appropriately represented in our learning materials. Moreover, provides a culturally inclusive learning environment, which takes account of the needs of all learners in terms of gender, ethnicity, religion, disability, age, and sexuality. We use multimode learning and teaching methods to meet the needs of a wide range of learners. Language support

is provided as required for students through many events.
[AASTMT - National Council for Women](#)
["Intellectual Property seminar in Maritime Transport" on AASTMT webpage](#)

AASTMT established the Accessibility Center "AC" for Students with disabilities and improve its services over years through adding more services and interaction with disabilities in all branches. The AC is dedicated to facilitating access and full inclusion of students with disabilities into the university environment. This is accomplished through effective collaborations and/or consultations with faculty/staff, proactive advising, and the fostering of systemic campus change. As well as, offers a professional support to those experiencing emotional, psychological or mental health issues. Welfare, Disabilities Advisers, and Counselling and Mental Health staff are all part of the Health and Wellbeing team and work closely to support students with severe and enduring or complex mental health difficulties defined as a disability. AASTMT offers students through a wide range of programmes to optimize the benefits offered to Disabilities and eliminate the gap in society. [Accessibility Center on AASTMT webpage](#)



AASTMT value and reputation as a world-class educational institute stems from the value of our staff and

faculty members. We recognize the significant role our people have towards our institutional success in the fields of research, training, teaching and consultancy services provided. While our image and institutional value allows us to attract highly qualified individuals in their respective fields, its continued success and sustainability also depends on its retention practices, human resources policies, ability to train and develop staff for careers development, as well as our benefits programs. Adjustments are considered on a case-by-case basis and may include things like exam accommodations, note-taking support, alternative formats for materials, assistive technology etc. The individual's needs are assessed. Moreover, AASTMT Implement to improve recruitment of underrepresented groups of students, staff, and faculty through some activities:

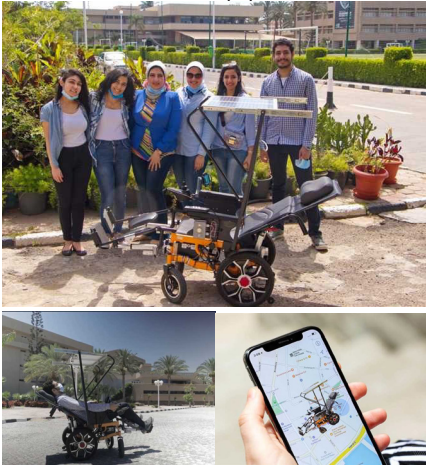
- Students: Provide need-based scholarships and grants for low-income and first-generation students; Partner with local organizations serving underrepresented communities to promote degree program.
- Staff: Post job listings with diversity-focused organizations and publications; Remove unnecessary degree requirements from job postings when possible; Implement blind reviews of initial applications to reduce bias. Faculty: Create professorships targeted at recruiting and retaining minority scholars. [AASTMT Jobs & Careers on AASTMT webpage](#)

COMMUNITY ENGAGEMENT

AASTMT works to improve its community engagement as it's a crucial aspect of achieving Sustainable Development Goal (SDG) 10, which aims to reduce inequalities within and among countries. It involves involving people in decision-making processes that affect their lives, empowering them to take ownership of their development, and ensuring that their voices are heard and considered. Also, believes that community engagement plays a critical role in promoting inclusive and equitable development by: Community Engagement on social media

1. Identifying and understanding community needs and priorities: Community engagement provides a platform for people to express their concerns, aspirations, and unique perspectives on development issues. This helps to ensure that development interventions are tailored to the specific needs of the community, maximizing their effectiveness and impact. *Community Engagement on AASTMT webpage*
2. Building ownership and fostering collaboration: By involving people in the planning, implementation, and monitoring of development projects, community engagement fosters a sense of ownership and encourages collaboration among stakeholders. This participatory approach leads to more sustainable and resilient outcomes. AASTMT student team from the College of Engineering and Technology of the Arab Academy is successfully implementing an innovative project to support people with special needs and Design and implementation of an innovative project to support the health sector and those with special needs in Egypt - by providing an innovative solution to the consequences of the Corona COVID-19 virus in the framework of the Youth Initiative of the Arab

Academy of Science and Technology by students of the "Healthy Aman" initiative. *Community Engagement on Gomhuria online newspaper*



- 3. Empowering marginalized groups and promoting social inclusion: The Student Affairs Department announces the general rules and conditions for running for the college student council elections for the academic year 2023/2024. Through informing that the following students are eligible to run for membership of the college student councils. Community Engagement on social media
- 4. Enhancing accountability and transparency: ensuring that development actors are held responsible for their actions and that the community has access to information about development projects.

PARTNERSHIPS AND COOPERATION AGREEMENTS

The academy has sought out many partnerships and cooperation agreements with various entities both domestically and internationally, including for example the United Nations, the European Union. It was pointed out that a support unit for students with special needs was established under the deanship of student affairs, and that the study laboratories were developed by providing assistive devices and programs to help students with special needs.

AASTMT The Student Affairs Division Organizes the International White Stick Day
AASTMT in cooperation with the Taha Hussein Library for the Blind and Visually Impaired in the library sector - Alexandria Library and with the German Hand Zidel Foundation. following link: [AASTMT The Student Affairs Division Organizes The International White Stick Day on google form](#)



- 5. Building social capital and strengthening communities: AASTMT cooperated with the Egyptian constitution recognized several articles that ensure the rights of people with disabilities. The returns from investing the fund's money are to be directed to support and finance bodies, agencies and associations that provide their services to people with disabilities at levels of health and social services and research.

EVENTS

AASTMT celebrates people with special needs as part of its ongoing efforts to promote social participation for people with special needs through social and awareness-raising avenues, hosted the charitable gala for people with special needs, organized by the "I am Egyptian" foundation and the College of International Transport and Logistics at the Academy's main campus in Abu Qir. The event included distributing gifts to participants and several artistic, performance and entertainment acts with the attendance of 130 children and youth, amid a joyous atmosphere.

The Second International Conference for People with Disabilities
AASTMT commends the success of integrating people with disabilities in several fields with the contribution of civil society organizations. As well as, pays great attention to people with special needs The activities of the Second International Conference for People with Disabilities began on Saturday under the title "The role of entrepreneurship centers, accessibility and assistive technology towards full integration". The conference was held in the presence of Minister of Social Solidarity, President of the Academy, President of Faiyum University, acting coordinator of "Erasmus +" and Dean of Student Affairs at the Academy and members of the House of Representatives. AASTMT commended the success of integrating people with disabilities in several fields with contributions from civil society organizations.



Advance Youth Participation in Climate Change Mitigation" WiEPower
Affinity Group IN AASTMT had launched EEE WIE Egypt "Advance youth participation in Climate Change Mitigation" WiEPower: Women in Technology and Climate- Change Resilient Societies Empower Women and Young Girls in Energy Transition.



Advance Youth Participation in Climate Change Mitigation" WiEPower on social media

A Sports and Entertainment Day
The day began with a welcome from the academy's director, followed by a variety of sports activities, including football, basketball, volleyball, and table tennis. There were also games, music, and other entertainment activities. The day was a great success, and it provided a much-needed opportunity for people of determination to socialize, have fun,

and participate in sports. The academy is planning to host more events like this in the future. [A Sports and Entertainment Day on social media.](#)

The International Day of Disabled Persons
Within the framework of celebrating the International Day of Disabled Persons and achieving the tenth goal of the Sustainable Development Goals (reducing inequality), the Faculty of Fisheries and Aquaculture Technology had organized a public symposium entitled "Inclusive Education and its Impact on Society" on Thursday, December 8, 2022. [The International Day of Disabled Persons on social media](#)

International Women's Day
In the context of celebrating the 50th anniversary of the establishment of the AASTMT, and on the occasion of the celebration of International Women's Day. The Faculty of Fisheries and Aquaculture Technology organized the first symposium of the "She Can" series of seminars and events on Thursday, 3/17/2022, hosted by an elite Among the pioneers in various scientific and social fields and success stories from inside and outside the academy symposium were three pioneers and focus on the importance activities and initiatives to reduce inequality. [International Women's Day on social media.](#)

A Day for People with Down Syndrome
AASTMT organized a fun-filled day celebrating Down Syndrome Awareness Month! This event featured a variety of activities for all ages, including: Games and activities for children of all abilities, Food and refreshments, Resource tables from local organizations that support people with Down syndrome. This event is free and open to all students, staff and Public. AASTMT encouraged everyone to come out and learn more about Down syndrome and celebrate the unique abilities of people with this condition. [A Day for People with Down Syndrome on social media](#)



"Life for All"
The Dental College at AASTMT, Alexandria University and the Rotract Club of El Shatby to the "Life for All" Association for people with special needs. Our students and Dental students, under the supervision of a number of faculty members and assistant faculty from the two universities. The convoy conducted a comprehensive oral health check for all residents in the internal and external departments and performed some simple treatments such as extraction and cleaning in addition to awareness and health education.



GOAL 11 - SUSTAINABLE CITIES & COMMUNITIES

OUR AIM IN 2021-2022

AASTMT aims to promote sustainable cities and communities through innovative solutions and inclusive urban planning in parallel with art and heritage support.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

As SDG11 focuses on making cities and human settlements inclusive, safe, resilient, and sustainable, AASTMT plays a crucial role in driving progress towards SDG11 through education, research, and community engagement. AASTMT has worked on SDG11 through two main integrated pivots, which are:

i- In-campus community (Internally)

1. Encouraging more students, academic and administrative staff to be involved in SDG11 activities through raising awareness about the SDG1.
2. Preparing and organizing to establish a "Student Competition for Sustainable Development".
3. Implementing sustainable practices on campus. Integrated with other SDGs to empower some initiatives (such as energy-efficient buildings, waste reduction and recycling programs, sustainable transportation options, and green spaces.)
4. Increasing the expenditure on arts and heritage by 15% compared to the previous year's expenditure.

ii-Out-campus community (Externally)

1. Engagement with local communities through "People of AL-Darab Al-Ahmar" project which highlights the efforts and achievements of AASTMT in creating sustainable cities and communities.
2. Growth of AASTMT "El Alamein branch" is an initiative for reconstructing one of unpopulated areas.
3. Expanding AASTMT library role in serving the public society.
4. Initiating the awareness of Electric Vehicles as clean and sustainable transportation facility.

SDG11 Progress 2021-2022

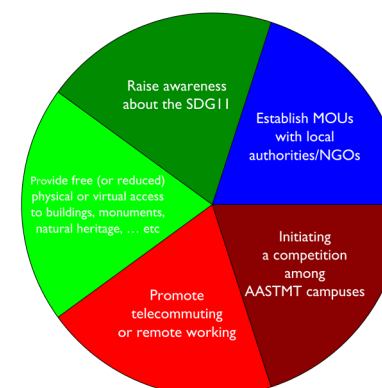
INTERNALLY (IN-CAMPUS)

- * Encouraging more students, academic and administrative staff to be involved in SDG11 activities through raising awareness about the SDG1.
- * Preparing and organizing to establish a "Student Competition for Sustainable Development".
- * Implementing sustainable practices on campus. Integrated with other SDGs to empower some initiatives (such as energy-efficient buildings, waste reduction and recycling programs, sustainable transportation options, and green spaces).
- * Increasing the expenditure on arts and heritage by 15% compared to the previous year's expenditure.

EXTERNALLY (OUT-CAMPUS)

- * Engagement with local communities through "People of AL-Darab Al-Ahmar" project which highlights the efforts and achievements of AASTMT in creating sustainable cities and communities.
- * Growth of AASTMT "El Alamein branch" is an initiative for reconstructing one of unpopulated areas.
- * Expanding AASTMT library role in serving the public society.
- * Initiating the awareness of Electric Vehicles as clean and sustainable transportation facility.

COMMUNITY ENGAGEMENT



1. Raise awareness about the SDG11 through spreading knowledge about

SDG11 by giving one tip each month to be shown on the electronic boards on campuses.

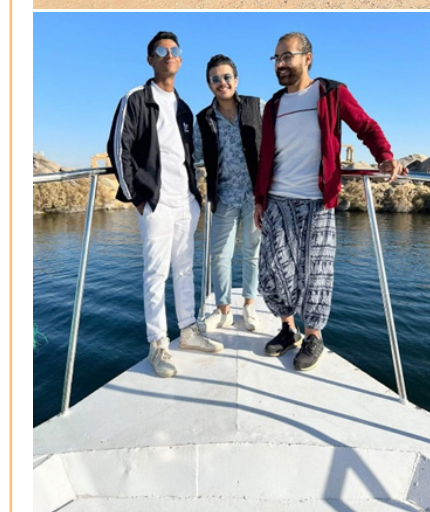
2. Initiating a competition among AASTMT campuses.
3. Establish MOUs with local authorities/ NGOs to address planning issues and development to ensure the inclusiveness of all the community members and the right to access the heritage and the building of value.
4. Promote or allow telecommuting or remote working for employees as a matter of policy or standard practice, or offer a condensed working week to reduce employee commuting.
5. Provide free physical or virtual access or reduce the amount of access to buildings and/or monuments or natural heritage landscapes of cultural significance, as well as green spaces.

EVENTS

Public Access to Buildings

AASTMT provides public access to buildings and/or monuments or natural heritage landscapes of cultural significance.

A visit to the Kalabsha Temple and a fishing trip to Nasser Lake.

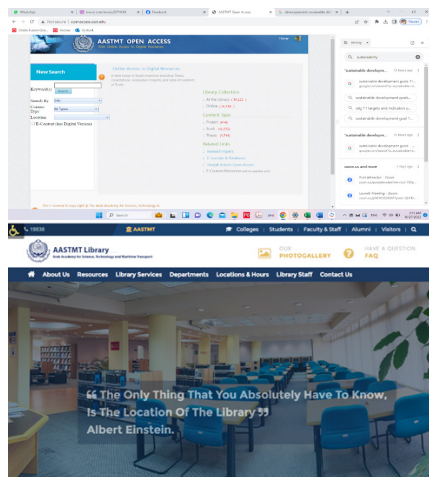


Public Access to Buildings on AAST Aswan Student Affairs facebook page

Public Access to Libraries

The Academy Library offers facilities for scientific research for the public for sustainable development in reading.

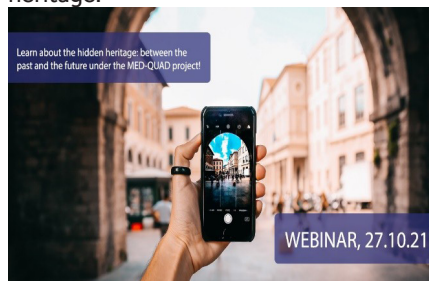
[Public Access to Libraries on AASTMT webpage](#)
[Public Access to Libraries on AASTMT webpage](#)
[Video for Public Access to Libraries on AASTMT webpage](#)



Public Access to Museums

The Academy provides physical and virtual tours to museums, exhibition spaces or galleries.

i- ARCHEO living lab in Egypt
 ARCHEO Living Lab is a part of the MED-QUAD project, which focuses on applied research for cultural heritage exploitation and archaeological studies. It serves as a platform for the production and utilization of digital technologies to provide new services to cities and citizens in the context of cultural heritage.

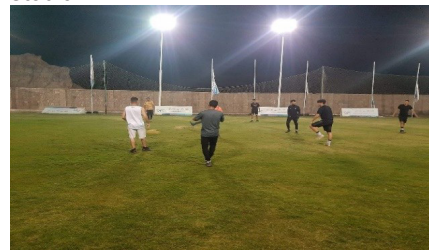


[Public access to museums on ARCHEO living lab website.](#)

[Public access to museums on Egyptian Museum website](#)

Public Access to Green Spaces

AASTMT is characterized by a range of green stadiums and the presence of a healthy natural gospel that ensures the safety of the players. Many sportive competitions have been held at AASTMT stadium.



[Public access to green spaces on AAST Aswan Student Affairs facebook page](#)

[Public access to green spaces on AASTMT webpage](#)

[Video for Public access to green spaces on AASTMT-Student Affairs-Alexandria facebook page](#)

Permanent Free Access to All Campus Grounds:

Within the framework of community responsibility, Rotary Club Alexandria Sunrise, in cooperation with the AASTMT, has jointly trained a number of students in various international schools in the environmental initiative.



[Permanent free access to all campus grounds on Rotary in Egypt facebook group](#)

Occasional Free Access to All Campus Grounds:



[Occasional Free Access to All Campus Grounds on AAST Aswan Student Affairs facebook page](#)

Arts and Heritage Contribution

AASTMT has organized a cultural and entertainment celebration related to representation of political organizations and countries to publish traditions, language, and knowledge.



[Student Affairs-Alexandria / AASTMT on AASTMT webpage](#)

[Record and Preserve Cultural Heritage on facebook page](#)

[Video for https://fb.watch/nUq8PAPy3J/?mibextid=RUBZ1f on AAST Aswan Student Affairs facebook page](https://fb.watch/nUq8PAPy3J/?mibextid=RUBZ1f)



Record and Preserve Cultural Heritage

The Faculty of Antiquities and Civilizational Heritage offers a degree in this specialty in Egypt in accordance with international quality standards.

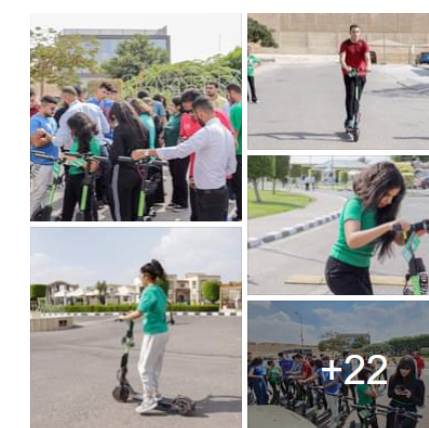
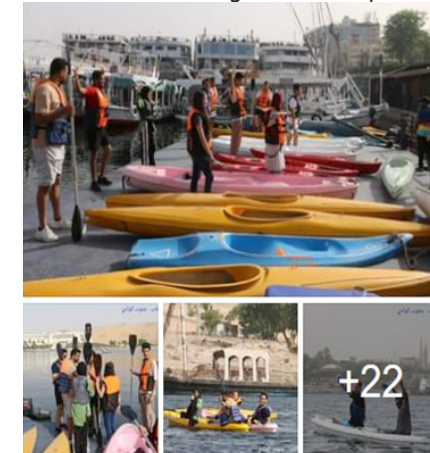
The unique location of Aswan campus is a point of excellence in terms of proximity to archaeological sites, museums, heritage and rich culture in Aswan City and makes it the perfect place to study antiquities and cultural heritage.



Sustainable Practices

Sustainable Practices Targets

AASTMT students enjoyable time riding electric scooters and more fun activities while other students enjoy their time at the Festival of Rowing and Water Sport.



[Sustainable practices targets on AAST Aswan Student Affairs facebook page](#)

Affordable Housing for Students

Student housing at the academy is one of the main factors affecting positively the life of the student within the framework of providing the best atmosphere for the student and provide more comfort and services through the Housing and Subsistence Department, which seeks to provide an educational - social - psychological - cultural - sports - disciplinary environment that provides students with many opportunities to develop their abilities.



[Provide Affordable Housing for Students on AASTMT webpage](#)

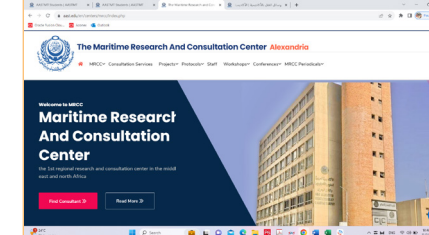
Pedestrian Priority on Campus

AASTMT considers the safety and convenience of pedestrians. AASTMT campuses follow the guidelines on prioritizing pedestrian access based on best practices and urban design principles.



Local Authority Collaboration Regarding Planning and Development

The Academy provides planning and development advisory services in many areas. These services include the preparation of initial studies and feasibility studies in addition to the required feasibility studies.



[Local authority collaboration regarding planning and development on AASTMT webpage](#)
[Regional Maritime Security Institute \(RMSI\)- Alexandria / AASTMT on AASTMT webpage](#)
[College of Engineering & Technology- Alexandria / AASTMT on AASTMT webpage](#)

Planning Development - New Build Standards

The Academy participated in the Green Environmental Initiative by growing plants to adorn the Academy and preserve the environment.

[video for Build new buildings to sustainable standards on AAST Aswan Student Affairs facebook page](#)



GOAL 12 - RESPONSIBLE CONSUMPTION AND PRODUCTION

OUR AIM IN 2021-2022

The AASTMT aims to increase awareness regarding hazards of plastic waste and improve waste recycle and management procedures.

THE IMPACT RANKING SCORES 2020-2021

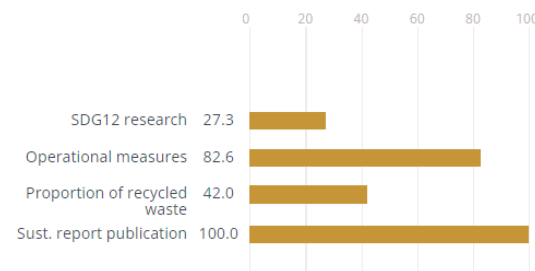


12 ∞

RESPONSIBLE CONSUMPTION AND PRODUCTION

RANK
SCORE
60.1
201-300
out of 674 institutions

[Details](#)



PROGRESS DURING 2021/ 2022

EDUCATION

Environmental Engineering Postgraduate program

This program offers a variety of postgraduate courses that cover different aspects of waste, waste disposal, recycling, and production. An example of these courses is a course entitled "Management of Solid, Hazardous and Radioactive Waste Postgraduate Course" which enables the student to identify the characteristics of different Solid waste and hazardous, acquire the methods of solid waste storage and recycling, and evaluate the effects of radioactive waste on health and vegetation.
[M.Sc. in Environmental Engineering on the AASTMT news page](#)

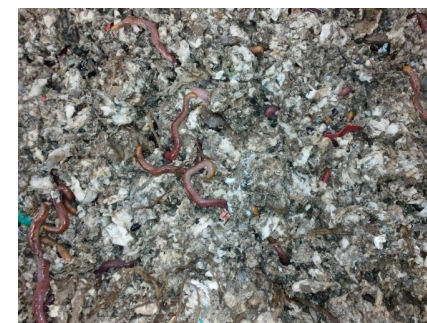
FUNDED PROJECTS

Campus Smart Recycling System To Turn Food Organic Wastes And Recyclables Into Economic Value Products.

The proposed project is about building and implementing a sustainable self-sufficient recycling system to turn AASTMT campus food organic wastes and recyclables into valuable products that have economical values, which can be used to reduce the campus running expenses. The proposed system targets only 3 types of campus waste (Organic food remains -Plastic tableware - aluminum cans).
[Campus Smart Recycling System To Turn Food Organic Wastes And Recyclables Into Economic Value Products. on the AASTMT news page](#)

"Composting The Organic Wastes Into Organic Fertilizers Using The Earthworm Eisenia Fetida (Red Wiggler)"

The AAST has a funded project entitled "COMPOSTING THE ORGANIC WASTES INTO ORGANIC FERTILIZERS USING THE EARTHWORM EISENIA FETIDA (RED WIGGLER)". This project aims to build a sustainable composting unit for the disposal of organic waste using the earthworm which will feed on them.
["Composting The Organic Wastes Into Organic Fertilizers Using The Earthworm Eisenia Fetida \(Red Wiggler\)" on the AASTMT news page](#)



The Faculty of Engineering and Technology family is pleased to extend its sincere congratulations to Dr. Mohamed Khamis Hassan, Assistant Professor in the Department of Industrial and Administrative Engineering - Faculty of Engineering and Technology, Headquarters in Abu Qir, on the occasion of the victory of the project submitted by him in cooperation with one of the Egyptian companies working in the field of waste recycling, and by participating in the training and exchange project presented by German Aid German Development Cooperation And for a project

"German-Egyptian SME Training and Exchange Program in Waste Management" This came out of the state's interest in climate change and reducing polluting emissions, and considering Egypt's hosting of the COP27 climate conference and the research efforts made at the Faculty of Engineering and Technology at the main headquarters.

[German-Egyptian SME Training and Exchange Program in Waste Management on social media](#)

OTHER ACTIVITIES

Go Green Initiative

An initiative by students of the Computer Engineering Department - Faculty of Engineering and Technology at the Arab Academy for Science, Technology and Maritime Transport - Alexandria headquarters - "Go Green" initiative "GO GREEN: Save your Planet Earth using GREEN ICT Technology" "GREEN ICT TECHNOLOGY" coinciding with Egypt's hosting of the COP27 climate

conference and achieving for sustainable development goals..



[GREEN ICT TECHNOLOGY on social media](#)
[GREEN ICT TECHNOLOGY on the AASTMT news page](#)

Raise Public Awareness Campaign Of Environmental Protection And Egypt's Readiness

Within the framework of the Arab Academy for Science, Technology and Maritime Transport's keenness to apply concepts of sustainability and based on the Academy's strategic plan to conduct campaigns to raise public awareness of environmental protection and Egypt's readiness to organize the "COP 27" climate summit.

The Department of Community Service and Environmental Affairs - the Institute of Productivity and Quality - organized a campaign to raise awareness among the people of the Nubaria region about the United Nations Sustainable Development Goals by holding awareness workshops and participating in the presidential initiative "100 million Trees" in one of the farms. Engineer Rania Rajeh gave a workshop on The United Nations #sustainable development goals and the impact of animal production in achieving them, and a discussion of replacing plastic in packaging with environmentally friendly materials.

The attendees toured the farm and participated in planting seedlings as a contribution from the Academy under the slogan of the Presidential Initiative 100 million Trees.



[campaigns to raise public awareness of environmental protection and Egypt's readiness to organize the "COP 27" climate summit. On social media](#)

"No Plastic Bags" An Environmental Initiative To Raise Awareness Among Students Of The Arab Academy Of Sciences

Prof. Dr. Alaa Abdel Bari, Vice President of the Arab Academy for Science, Technology and Maritime Transport, announced that the Academy's President decided to launch the "Academy Free of Plastic Bags" initiative by the new academic year, indicating the Academy's interest in adapting to climate change by rationalizing the use of energy and water and relying on renewable energy.
[Without plastic bags." Environmental Initiative to Educate Arab Academy for Science Students on Elwatan News page](#)

Translating A Documentary Film On The Difficulties Of Recycling Plastic And Negative Impact On Environment

"Dawarha fe Demaghak" is the graduation project of 9 students at the Language and Translation Department, College of Language and Communication, Arab Academy for Science, Technology and Maritime

Transport, Alexandria Campus. The project is translating the documentary "The Recycling Lie", produced by "The Why Foundation". The documentary is about the recycling of plastic, its difficulty and negative impact on the environment.



Dawarha fe Demaghak project on social media Plastic Pollution» Graduation Projects of «Translation» students at the Faculty of Language and Media in Alexandria on elaosboa news page

Towards a Green and Sustainable Future Campaign

The "Towards a Green and Sustainable Future" initiative was launched by the Academy's Deanship of Scientific Research and Innovation under the chairmanship of Prof. Dr. Yasser Jaber Al-Desouki with the Sustainable Development Team, where the College of Engineering and Technology at the Arab Academy for Science, Technology and Maritime Transport hosted the Deanship of Prof. Dr. Akram Suleiman Al-Salami's activities today.

Towards a Green and Sustainable on social media

The Arab Academy For Science, Technology, And Maritime Transport's Organized "Always Green Academy" Campaign

The Arab Academy for Science, Technology, and Maritime Transport launched the "Arab Youth Green Venture" project at the Smart Village on Tuesday, March 15, 2022. The project was held under the patronage of Professor

Dr. Ismail Abdel Ghaffar Ismail Farag, the President of the Academy, and in the presence of Dr. Sherin Fikry, the Assistant Minister of Environment for Environmental Policies, representing Dr. Yasmine Fouad, the Egyptian Minister of Environment. This initiative was part of Egypt's hosting of the COP 27 Global Climate Conference in Sharm El-Sheikh. The day included various activities, such as the opening of an exhibition showcasing environmental protection projects and activities by distinguished students and graduates of the Academy, which were discussed with the Assistant Minister of Environment and the Academy's President. Additionally, a sports marathon was launched with the slogan "AASTIANS Go Green," involving the participation of officials, employees, and students, creating an enthusiastic atmosphere. This marathon was organized by the Student Affairs Deanship in the Smart Village, as part of its ongoing support for students in educational, health, and recreational aspects.



COMMUNITY ENGAGEMENT

College Of Language & Communication (Alexandria) Students' Visit To The Solid Wastes Recycling Plant At Port Said

The College of Language and Communication (Alexandria) at the Arab Academy for Science, Technology and Maritime Transport continues to show its keenness to actively participate in Egypt's presidential initiative "Go Green" by holding different environment-related activities.

On Thursday, 24th of February 2022, college students' activists of "Haylef w Yergalak", or "It Comes Back to You,"

campaign paid a visit to the recycling plant of solid wastes in Port Said.

Blue Color Initiative

Because children have the power to change our future, the AAST decided that we must start raising awareness among them. The AAST started an initiative to spread awareness among children on the hazards of plastic.



College Of Language & Communication (Alexandria) Students Launch A Campaign To Collect Plastic Wastes

Students of the College of Language and Communication (Alexandria) at the Arab Academy for Science, Technology and Maritime Transport launch a campaign called "Haylef w Yergalak," or "It Comes Back to You," to raise awareness on the negative impact of using single-use plastic products on the environment and the importance of recycling, as a part of Egypt's presidential initiative "Go Green". On Friday, February the 11th 2022, the campaign members launched a campaign to collect and recycle plastic wastes found in the vicinity of the college Miami Campus in order to create a clean environment free of the pollution caused by plastic wastes.

Training Program For Workers In The Waste Management System In The Eastern Province

Within the role of the Ministry of Environment in implementing the new waste management system: The Minister of Environment directs the rapid

implementation of the infrastructure of the waste management system and the qualification of the cadres working in the system.

The Ministry of Environment, in cooperation with the Arab Academy for Science, Technology and Maritime Transport, implemented a two-day training program for workers in the waste management system in the Eastern Province, to qualify cadres and workers in the waste system as part of capacity building efforts to raise the level of performance, in a way that facilitates the implementation of the system in the best way and achieves its effectiveness and use, through definition. The Waste Management Law and the role of the Waste Management Regulatory Authority in this field, and an introduction to the infrastructure that is being implemented and the best ways to operate and sustain it. It also includes practical training for workers in the sanitary landfill in Belbeis in Sharqia.

Within the role of the Ministry of Environment in implementing the new waste management system on social media

Removing 200 Thousand Tons Of Historical Accumulations Of Waste From The City Of Idku In The Bahaira City

The Arab Academy for Science, Technology, and Maritime Transport in collaboration with the Executive Unit for Waste Sector Management of the Ministry supervised the transfer of waste and safe burial of approximately 200,000 tons of historical accumulations in the city of Idku in the lake to the safe sanitary landfill that was established in Badr City in the lake.

This came in the presence of Mr. Ahmed Atef, Director of the Ministry's Waste Unit, Dr. Abdel Moneim Sanad and Dr. Tariq Eid from the Arab Academy for Science, Technology and Maritime Transport, the head of the Badr Center and City, and representatives of the governorate's waste management, noting that the transfer operations are carried out in coordination with the Arab Organization for Industrialization

and companies working in the hygiene system. The actual lifting of the backlog has begun, which will be completed within the next few days.



Contribution of AASTMT To Support The Egyptian Government In Implementing The National Waste Management Plan

The AASTMT has several contributions to support the Egyptian Government in Implementing the National Waste Management Plan. This includes consultancy such as "korimate recycling complex" project. This project has several activities involving waste water collection lines treatment unit, solid waste treatment, solid waste separation, plastic recycling, glass recycling, paper and carton recycling, metal recycling, wood recycling, tire recycling, slaughterhouse waste treatment.

EVENTS

The 2nd International Conference On Green Climate And Smart Waste Management

The Arab Academy for Science, Technology and Maritime Transport (as a strategic partner) hosts the Second International Conference on Green Climate and Smart Waste Management. The second edition of the conference is entitled "Accelerating to Stop Food Waste and Loss for a Net Zero Emission Future."

IEEE YESIST12-2023 Competition – Global

The AASTMT organized a competition called IEEE YESIST12-2023. The competition aims to achieve the goals of the United Nations for sustainable development through innovative projects. The preliminary stage was conducted, for the second year in a row, in Egypt for all five tracks, under the patronage of Prof. Ismail Abdel Ghafar, President of the Arab Academy for Science, Technology & Maritime Transport (AASTMT). The preliminary stage was organized by the IEEE Eta Kappa Nu - Mu Beta Chapter (Egypt-Section), at Arab Academy in technical partnership with College of Engineering and Technology- Abu Kir Campus, IEEE Egypt Section Industry Engagement Committee, and the EME Innovation Hub - BORG. The activities of the preliminary stage were conducted over two days on Sunday and Monday, July 16-17, 2023, under the title: "Preparing for the Future - Sustainable Transformative Technologies"

Climate Summit Conference

Within the framework of the Arab Academy for Science, Technology and Maritime Transport's interest in participating in international conferences, Professor Dr. Alaa Abdel Bari - Vice President of the Academy and Professor at the Institute of Basic and Applied Sciences - Faculty of Engineering and Technology participated in the Climate Summit Conference by presenting a lecture entitled: Sharm El-Sheikh. The session titled "German African Mediterranean Cooperation Toward". Prevention of Marine Litter This is in the axis Raising the African coordination and awareness on waste to reduce impact on the natural ecosystem, which was managed by the environment ministers of Egypt, Gabon and Senegal.

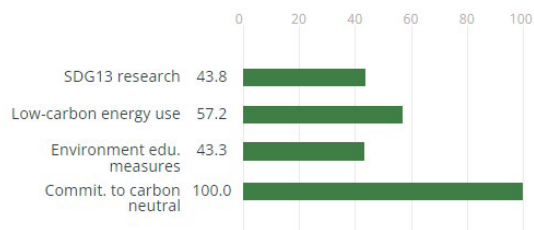


GOAL 13 - CLIMATE ACTION

OUR AIM IN 2021-2022

In the academic year 2021/2022, AASTMT aimed to consolidate and expand its sustainability initiatives. The focus was on integrating climate action into the institution's ethos, fostering regional leadership in sustainable practices, and actively participating in global forums.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

Low-Carbon Energy Use:

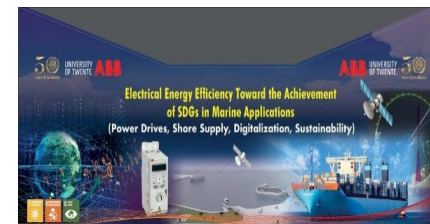
AASTMT made commendable strides in optimizing energy consumption, primarily through the widespread installation of photovoltaic systems. These initiatives not only significantly increased the share of renewable energy but also positioned AASTMT as a local pioneer in sustainable energy practices.

Renewable Energy Adoption:

Beyond solar power, AASTMT championed various renewable energy solutions and energy-efficient infrastructure. This included embracing cutting-edge technologies and practices and reinforcing the institution's commitment to a resilient and sustainable energy future.

Environmental Education Integration:

The academic year saw the seamless integration of environmental education across various disciplines. AASTMT introduced new courses, workshops, and seminars, enriching students' understanding of climate change, renewable energy, and broader sustainability issues.



COMMUNITY ENGAGEMENT AND COLLABORATIONS

AASTMT remained deeply engaged with local communities, NGOs, and governmental bodies. Beyond local interactions, the institution played a prominent role on the global stage, actively participating in significant events such as COP27, where it contributed to shaping the dialogue on climate change and sustainability.

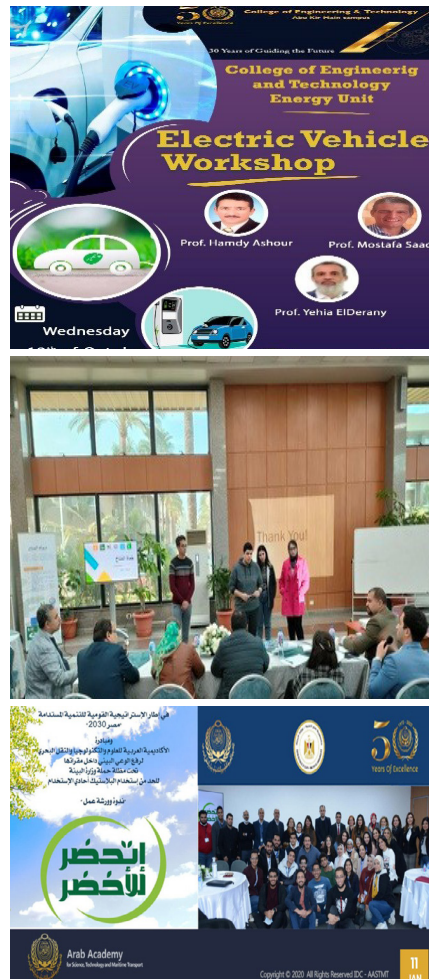
Climate Action Planning and Disaster Preparedness:

The institution played a pivotal role in climate action planning and disaster preparedness. Active participation in League of Arab States committees and workshop organization showcased AASTMT's commitment to proactive measures in addressing climate challenges, both at regional and global levels.

Carbon Neutrality Commitment:

AASTMT solidified its commitment to becoming a carbon-neutral university. A detailed assessment of the institution's carbon footprint not only identified areas for immediate improvement but also set the stage for long-term sustainability planning. AASTMT's commitment to SDG 13 was not limited to campus but extended into robust community engagement. Collaborations with local communities, NGOs, and governmental bodies highlighted the institution's role as a catalyst for environmental awareness and sustainable practices.





EVENTS

- **Arab Youth Green Venture Project (March 15, 2022):** AASTMT launched the "Arab Youth Green Venture Project," a multifaceted initiative emphasizing environmental stewardship. The event included an exhibition of student projects, a sports marathon, and the active participation of officials, employees, and students.
- **World Environment Day 2022 (July 18, 2022):** AASTMT took a leading role in organizing events marking "World Environment Day," contributing substantially to the global discourse on environmental conservation and sustainable development.
- **COP27 (Date):** AASTMT played a significant role in COP27, contributing valuable insights and initiatives to the global conversation on climate change. This event showcased the institution's commitment to influencing and shaping the international sustainability agenda.
- **League of Arab States Committees Participation:** AASTMT continued its active involvement in various League of Arab States committees, underscoring its dedication to regional collaboration in addressing climate change, environment, and disaster risk reduction.



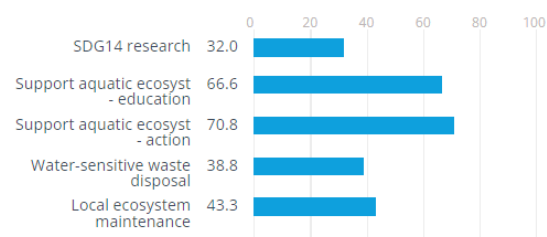


GOAL 14 - LIFE BELOW WATER

OUR AIM IN 2021-2022

AASTMT aimed to increase their staff research projects and community outreach activities regard supporting the aquatic life.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

The Arab Academy for Science, Technology, and Maritime Transport (AASTMT) demonstrates its steadfast commitment to Sustainable Development Goal 14 (SDG 14) by familiarizing its students with it and including the necessary knowledge within the related educational programs, Curricula, and specialized courses. Although SDG14 is supported widely within the AASTMT maritime educational sector, AASTMT firmly believes that SDG14 is not limited to the maritime sector and promoting it to all AASTMTs' campuses and colleges. This dedication fosters a motivated and professional workforce, aligning with SDG 14's principles.

AASTMT Recycling Program
AASTMT adopted a garbage segregation strategy at the Abu-Qir Campus.



College of Fisheries and Aquaculture Technology (CFAT) Regularly Represents Egypt In The Working Groups That Are Organized By The (GFCM), FAO, UN

The recommendations of the WGSAs are being submitted to the Scientific Advisory Committee on Fisheries (SAC) *Report of the Working Group on Stock Assessment of Demersal Species (WGSAD) session on the assessment of deep-water red shrimp on FAO webpage*



CFAT, Fisheries Technology Program (Undergrad)

The department qualifies graduates to work on fishing vessels as alternate officers, to be responsible for navigational surveillance.
College of Fisheries Technology & Aquaculture Technology (aast.edu) on AASTMT webpage

CFAT, Master of Science Degree in Sustainable Management of Fisheries and Aquaculture (SMFA), Funded by the EU (Erasmus+ project) (Postgrad)
The program is funded by the EU (Erasmus+) within the framework of the EU-funded project FishAQU of Erasmus+. *College of Fisheries Technology & Aquaculture Technology (aast.edu) on AASTMT webpage*

Directing The Graduation Project Topics In The Relevant Specializations
Graduation project based on land-based ballast water management system.



Directing The Graduation Project Topics In The Relevant Specializations on AASTMT webpage

COMMUNITY ENGAGEMENT

Initiative: Antifouling Paints: Environmental Hazards and Alternatives

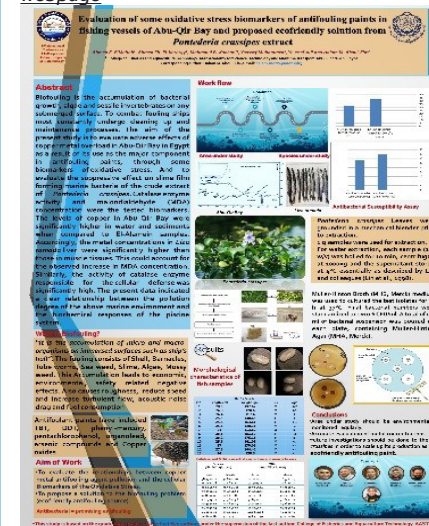
Raising the awareness of fishermen about the hazard effects of antifouling paints and encouraging them to use eco-friendly alternatives.



Initiative: Antifouling Paints: Environmental Hazards and Alternatives (Abu-Qir Bay Fishermen Community Outreach Workshop) on AASTMT webpage

Initiative Scientific Output

Students at CFAT have participated in the First International Conference of the Institute of Genetic Engineering Research "Challenges and New Prospects in Biotechnology Sciences" at the City of Scientific Research and Technological Applications. *College of Fisheries Technology & Aquaculture Technology-Alexandria / AASTMT on AASTMT webpage*



Overfishing Community Awareness
AASTMT; represented by the College of Fisheries and Aquaculture Technology, took the initiative to familiarize the local fishermen with the threats and adverse effects of overfishing.



Overfishing Community Awareness on AASTMT webpage

Symposium And A Workshop On The Damages Of Plastic In The "Be Prepared For Green" Initiative.

College of Fisheries and Aquaculture Technology organized this scientific symposium on 17th Jan 2022



The College Organized A Scientific Symposium And A Workshop On The Damages Of Plastic In The "Be Prepared For Green" Initiative. 17th Jan 2022 on AASTMT webpage

EVENTS

MARLOG 11 20th -22nd March 2022
The conference theme was "Towards a sustainable blue economy".



IAMU AGA21 26th -28th October 2021
The 21st AGA and IAMUC 21 were hosted by the Arab Academy for Science, Technology, and Maritime Transport (AASTMT), in Alexandria, Egypt. The theme of the AGA21 IAMUC was "Innovation and Sustainability of Maritime Industry in the Scope of Blue Economy and Green Concept".



Participation of College Students In The Workshop And Competition Of The Climate Protection Initiative
Students at the College of Fisheries and Aquaculture Technology won the first three places in the Climate Protection Initiative competition. 27-28 Feb. 20



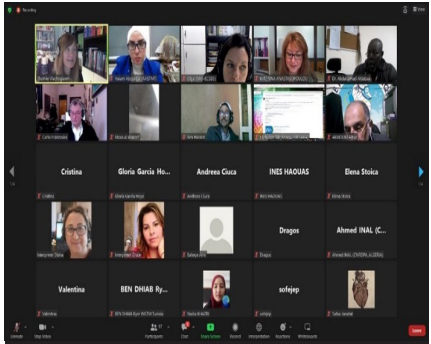
Participation of College Students In The Workshop And Competition Of The Climate Protection Initiative on AASTMT webpage

Participation in the UN Food for All summit in Dubai EXPO-2022
The AASTMT team led by our student Moamen Sobh has presented Egypt at the UN – FAO – Enactus unique competition held on the 24th of February 2022.



Participation in the UN Food for All summit in Dubai EXPO-2022 on AASTMT webpage

AASTMT Staff participation in "ENI CBC Plastic Busters CAP e-Course on Marine Litter Monitoring and Mitigation."
The Mediterranean is one of the most affected seas by marine litter worldwide, originating primarily from shoreline activities. Therefore, its effective management requires a relevant instrument of Integrated Coastal Zone Management (ICZM) that should be embedded into local development planning.



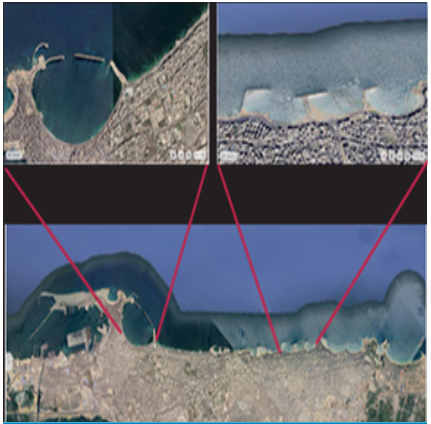
AASTMT Staff participation in "ENI CBC Plastic Busters CAP e-Course on Marine Litter Monitoring and Mitigation." on Social media

AASTMT Students Representing Egypt In The UN Ocean Conference Youth And Innovation Forum
Between June 24-26, 2022, the governments of Portugal and Kenya and the UN Global Compact organized the UN Ocean Conference Youth and Innovation Forum. Two of the AASTMT students were presenting Egypt in the forum.



https://aast.edu/en/sdg/goals.php?menutab=16&unit_item=1214&page_id=121400005 on AASTMT webpage

Initiative: "Existence of Harmful Algal Blooms along Alexandria coast: A mitigation strategy"
Semi-closed artificial lagoons were established, and a green tide was formed along the Alexandria shoreline. Corrective measures had to be taken to mitigate the negative effects.



https://cms.aast.edu/contenttemp.php?page_id=121400028 on AASTMT webpage



GOAL 15 - LIFE ON LAND

OUR AIM IN 2021-2022

AASTMT covers educational initiatives, policy implementation, collaboration, waste management, and conservation efforts within the AASTMT campuses and its immediate environment.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

AASTMT Organize The Climate Protector's Initiative

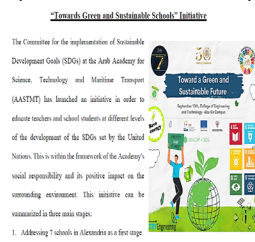
In the frame work of COP 27 which was hold in November 2022 organized the climate protector's initiative, AASTMT initiative at Abou kir campus Alexandria, Egypt climate protector's on the AASTMT news page, which raise the awareness of young people to be involved in their local communities. This event seeks to exemplify green opportunities for work and development, climate protector's on social media. This event exemplifies green opportunities for work and development,



Green and Sustainable Schools Initiative

The Committee for the implementation of Sustainable Development Goals (SDGs) at the Arab Academy for Science, Technology and Maritime Transport (AASTMT) has launched an initiative in order to educate teachers and school students at different levels of the development of the SDGs set by the United Nations. This is within the framework of the Academy's social responsibility and its positive impact on the surrounding environment. This initiative can be summarized in three main stages:

(AASTMT) has launched an initiative in order to educate teachers and school students at different levels of the development of the SDGs set by the United Nations. Green and Sustainable Schools Initiative on the AASTMT web page SDGs for schools' initiatives by SDGs Workforce AASTMT SDGs For Schools Initiative In Abukir Campus on the AASTMT news page.



Production and Evaluation Crackers And Instant Noodles Supplement With Spirulina Algae

The study explores the use of spirulina algae in the production of crackers and instant noodles. Spirulina, a blue-green algae rich in protein, vitamins, phytoepigamates, antioxidants, and minerals, was found to increase protein ratio, ash content, and improve physical and cooking properties. The addition of 20% spirulina algae had lower scores for most properties compared to other tested products.



Uni-Green Project

Promoting the role of youth as active change-makers in addressing climate change in Egypt through education" Uni-Green is a 36-month project with a budget of approx. Uni-Green seeks to reinforce the role of youth as key actors in raising awareness, advocating, and directly addressing local climate change challenges in Egypt.



Uni-Green Project on the AASTMT news page.

KNZ Global

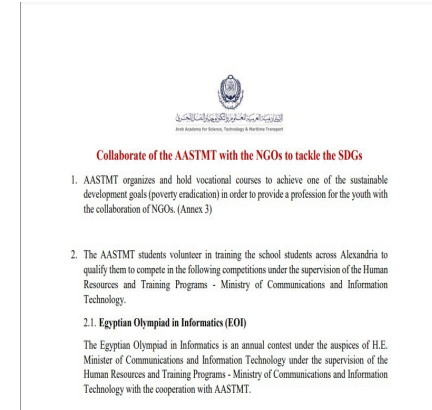
Their main goal of optimizing resource use and maintaining green spaces serves as a road map for developing resilient green infrastructure.



Entrepreneurship Center-Cairo / AASTMT on the AASTMT news page.

Collaborate of the AASTMT with the NGOs to tackle the SDGs

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 Collaborate of the AASTMT with the NGOs to tackle the SDGs .



International Tou Mali conference 2022 at AASTMT Abu Kir, Alexandria

AASTMT announces the beginning of the international Tou Mali conference 2022 that entitled "contribution sound waste management systems to sustainable tourism and the protection of marine ecosystem"

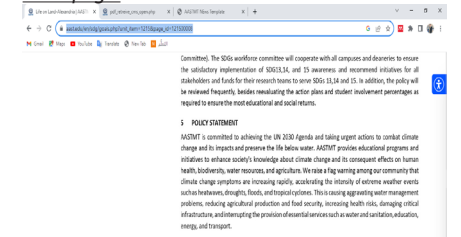
International Tou Mali conference 2022 at AASTMT Abu Kir, Alexandria on the AASTMT news page



Educational Programs

AASTMT provides educational programs to enhance society knowledge and teach students that sustainable ecosystems and land conservation are essential for human health and safety.

AASTMT Environmental Policy on the AASTMT news page



Smart Autonomous IoT Agricultural Monitoring System - 2020

This project involves implementing the latest sensing and IoT technologies and machine to machine communications in agriculture practices. Currently, seamless integration of wireless sensors and the IoT in smart agriculture can raise agriculture to levels which were previously unimaginable. SMART AUTONOMOUS IOT AGRICULTURAL MONITORING SYSTEM on the AASTMT news page



Andak Gas

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



Entrepreneurship Center-Cairo / AASTMT on the AASTMT news page

Andak Gas Biogas Company on the AASTMT news page

Agreements or Mous With Local Community Groups or Organizations Related To Land Ecosystem Maintenance

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) received DP WORLD SOKHNA Delegation on Wednesday 17- 3- 2021, at AASTMT.

Dp world sokhna agreement "MOU" on the AASTMT news page



Arab Academy For Science, Technology And Maritime Transport (AASTMT) Participates In A Research Project Against Marine Litter Led By The University Of Rostock And Leibniz Institute For Baltic Sea Research Warnemünde.

In August 2021, the University of Rostock and the Leibniz Institute for Baltic Sea Research Warnemünde (IOW), together with the Arab Academy for Science, Technology and Maritime Transport (AASTMT) and other partners including think tanks as well as universities and ministries from the project region, started a research project on Marine Litter caused by the tourism industry in Egypt, Morocco, Tunisia and Algeria called TouMaLi. Arab Academy for Science, Technology and Maritime Transport (AASTMT) participate in this research as the local project partner in Egypt. Complimentary the Egyptian Ministries for Environment, Local development and Tourism are involved. The project aims to develop and establish sustainable waste management solutions in the tourism sector to protect marine ecosystems in the Middle East and North African (MENA) region.



Water Conservation Policy at AASTMT

AASTMT upgrading to high efficiency front loading washers, and becoming even more energy efficient by using technology that allows them to monitor the status of the machines.

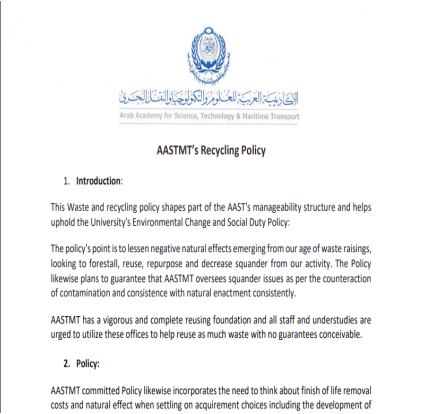
Water Conservation Policy at AASTMT on the AASTMT news page



AASTMT's Recycling Policy

Explicitly, this policy requires that by 2022 AASTMT has halted the utilization of 'single use' plastics nearby utilizing a blend of elective materials and the suspension of deals of plastic filtered water nearby. AASTMT is additionally introducing seriously drinking fountains to assist with this particular point.

AASTMT's Recycling Policy on the AASTMT news page



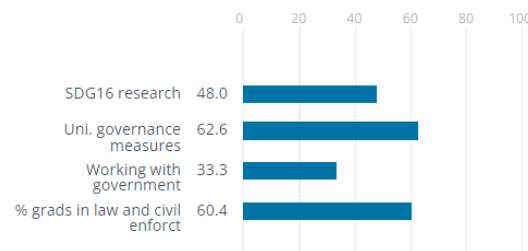
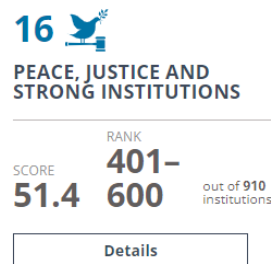


GOAL 16 - PEACE, JUSTICE & STRONG INSTITUTIONS

OUR AIM IN 2021-2022

- Creating strong participation and relationships with stakeholders.
- Increase the research freedom among students and faculty members within AASTMT.
- Increasing participation of AASTMT in Egyptian governmental research to enhancing the Egyptian Community.
- Scores 2020-2021

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

AASTMT focuses on increasing the cooperation between Egyptian and Regional Governments in different educational and industrial sectors. AASTMT raised its projects with different local and regional stakeholders. Also, it raises the representation and participation of AASTMT students in different advisory boards which allow the students to give recommendations from their points of view. Fighting corruption and bribery inside AASTMT and in the surrounding

community is one of AASTMT's responsibilities. AASTMT developed new policies for anti-corruption and anti-bribery and with the attendance of AASTMT in different conferences and meetings related to anti-corruption issues.

COMMUNITY ENGAGEMENT

Community Engagement is one of the important issues that AASTMT focuses on. AASTMT conducted much research with Egyptian and regional Governments. SDG16 focuses on Community Engagement by the students represented in student councils, unions, and clubs. Also, how the students participate in social, cultural

and community supporting activities. Also, AASTMT stakeholders' especially in the industrial sectors, presented different qualified training programs for AASTMT students. AASTMT is seeking to fight corruption and bribery within AASTMT and Egypt.

EVENTS

AASTMT fighting Corruption and Anti Bribery not only in AASTMT but also within the Egyptian community.

1. AASTMT hosted The Conference of the States Parties to the United Nations Convention against Corruption" Simulation Model.



2. The AASTMT President attended the "Administrative Authority Control Seminar" entitled "The Evolution of Administrative Control Authority Role in Combating Corruption and Supporting of the Egyptian Comprehensive Development Efforts"



Working with Governments and authorities

a) AASTMT- UAE Ministry of Climate Change and Environment Memorandum of Understanding. This MoU focused on using Artificial Intelligence (AI) to reduce pollution and harmful emissions. AASTMT will conduct different training programs and research for the UAE Ministry of Climate Change and Environment.



b) River Transport Authority

Building training kits for the Egyptian Transport Authority (RTA) for training laboratories. The project was divided into 3 phases for most mechanical equipment used in river vessels. The training kits were made using real equipment after making necessary modifications like cross sections for training purposes.



c) AASTMT 2020 Grants

2020 Call for Collaboration Research and Innovation Project. The goal of this call is to create a long-term research collaboration between AASTMT researchers and regional research institutions through open competition to promote multidisciplinary collaborative research and development (R&D) projects within AASTMT. The R&D

Department at Industry Service Complex has granted funds for two Collaborative Research Project (CRP) projects:

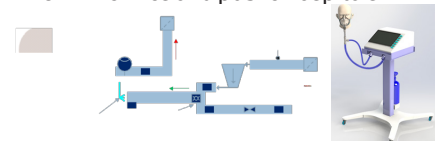
1. Project 2068/ Campus Smart Recycling System (CSRS)

The project is about building and implementing a sustainable self-sufficient recycling system to turn AASTMT campus food organic wastes and recyclables into valuable products that have economical values, which can be used to reduce the campus running expenses. The proposed system is targeting only 3 types of campus wastes (Organic food remains, tableware-aluminum cans).



2. Project 2069

Design and Implementation of a Mobile Ventilator (DIMV) The project objective is to design and implement a mobile ventilator prototype that will allow the manufacturing of a reduced-price ventilator to be used in AASTMT clinics and public hospitals.



3. Neutral platform to discuss issues

AASTMT set different platforms for students and employees to discuss diverse issues such as sustainable development issues and other issues.

As an example, the College of Law has launched the Law Magazine which is written by the students, and it is considered a Neutral Platform for discussion.



regarding to sustainable development issues it is discussed in the Arabian *Network for Sustainable Development* <http://las-ansd.org/>

Students Councils, clubs, and communities in AASTMT

a) The AASTMT president met smart village campus student councils in the meeting. The President listened to their new plans and vision for creating a cooperative environment among AASTMT campuses.



AASTMT President meeting with Smart Village Student Councils

b) The Deanery of Student Affairs with the student unions cooperation is focused on creating a successful student life from the student communities/ clubs/associations to be a leader within the AASTMT Colleges by providing support, engagement, and networking opportunities to students.



2021 – 2022 Students Clubs/Communities/ Associations

c) Student Clubs and Societies
Different clubs with different educational, social, and sport clubs formed in AASTMT which will support AASTMT students in different sectors.



AASTMT Student Clubs and Societies

d) Student Union participation in preparing the Egyptian Scholastic Test (EST) in Smart Village Branch



EST Preparation in Smart Village

Stakeholders' engagement in AASTMT
AASTMT has many different internal and external stakeholders.

AASTMT hosted the Head of the European Union Delegation

College of Pharmacy in AASTMT hosted the Community Day with the invitation for Mr. Christian Berger the Head of the European Union Delegation Community Day. In this meeting, attendees students and employees listened to a detailed presentation for the clinical simulation device (Body Interact).



AASTMT hosted the Head of the European Union Delegation

2nd international Conference for person with disabilities

The conference is hosted by AASTMT with the Co-operation with Governmental stakeholders to support the AASTMT local stakeholders (Students with disabilities) within the framework of PACES (Progression of Accessibility Centers in Higher Education for Students with Disabilities in North Africa.



2nd international Conference for person with disabilities

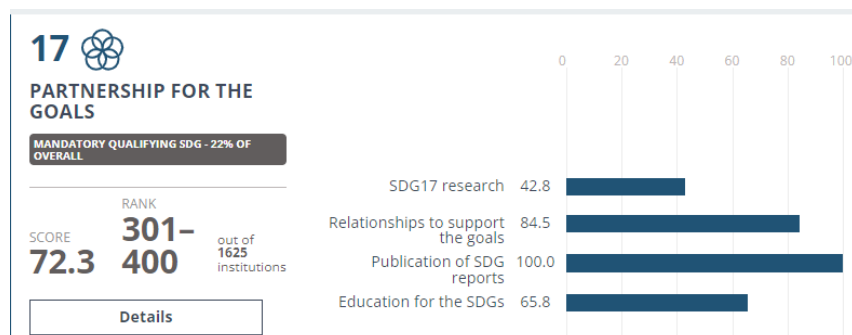


GOAL 17 - PARTNERSHIPS FOR THE GOALS

OUR AIM IN 2021-2022

- At AASTMT our aim is to actively contribute to the achievement of Sustainable Development Goal 17- Partnerships for the Goals. We recognize that addressing global challenges requires collaboration, cooperation, and the forging of strong partnerships among various stakeholders, including governments, academia, civil society, and the private sector.
- Our commitment to SDG17 is rooted in the understanding that sustainable development cannot be achieved by any single entity alone. Therefore, we strive to foster a culture of collaboration and partnership within our university community and beyond. Our aim is to leverage our expertise, resources, and networks to foster meaningful partnerships that promote sustainable development, drive innovation, and create positive societal impact.

THE IMPACT RANKING SCORES 2020-2021



PROGRESS DURING 2021/ 2022

The Arab Academy for Science, Technology, and Maritime Transport (AASTMT) plays a pivotal role in the publication of the SDG 17 report, which focuses on Partnerships for the Goals. Recognizing the importance of transparent reporting and accountability in achieving sustainable development, AASTMT actively engages in gathering, analyzing, and disseminating data related to partnerships and collaborations.

Through its research centers, academic programs, and network of experts, AASTMT conducts comprehensive studies and evaluations to assess the progress and impact of partnerships within the framework of SDG 17. By compiling and publishing the SDG 17 report, AASTMT provides valuable insights and recommendations to policymakers, stakeholders, and the international community. The

report serves as a valuable resource for fostering dialogue, sharing best practices, and identifying areas for improvement in partnership building. AASTMT's commitment to the publication of the SDG 17 report reinforces its dedication to promoting effective partnerships and advancing the global sustainable development agenda.

PARTNERSHIP COLLABORATIONS THROUGH 2021-2022

Some Agreements and Partnerships with Local, Regional, and International Universities

- Technology medical sector and northwestern university
- Galala University
- Technical university of Ostrava
- City unity university
- Belarusian state university
- Belarusian state medical university
- Pharmaceutical faculty of Belarusian State Medical university
- University of Duisburg Essen
- Jordanian Academy for Maritime Studies
- Dental faculty of Belarusian state medical university
- Missouri state university
- Zayed University

Some Agreements and partnerships with bodies, unions, and companies related to education and degrees.

- Ministry of Youth and Sports
- Agricultural Bank of Egypt and Matrouh Governorate
- Financial Supervision Authority
- German Arab Chamber
- Beirut Arab University.
- Agricultural Bank of Egypt and Matrouh Governorate
- American University
- Joint cooperation agreement between Alexandria University, the Academy, and the management of the VT-MENA program

Some Agreements and partnerships with bodies related to community service, environment and sustainable development.

- Sawiris Foundation for Social Development
- African-Asian Union for Sustainable Development
- Misr Al Khair Foundation
- Upper Egypt Development Authority

COMMUNITY ENGAGEMENT

Sawiris Foundation Collaboration with AASTMT

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) renewed its collaboration on 17th Oct 2021 with the Sawiris Foundation to offer scholarships for up to 10 Egyptian high school students with disabilities to obtain their undergraduate degree from the AASTMT, as one of the prominent universities in Egypt. The scholarship aims to provide excellent educational opportunities to students with disabilities that would enhance their job market skills. The scholarship covers tuition fees, accommodation, living allowance, and necessary accessible accommodation.

African-Asian Union for Sustainable Development Collaboration with AASTMT

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) has Signed an MOU with the African-Asian Union for Sustainable Development as the two parties agreed to cooperate in various activities, including organizing seminars and conferences of common interest, and the Union will provide field training opportunities in its community development projects.

Misr Al Khair Foundation

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) has renewed its collaboration with the Misr Al Khair Foundation to offer scholarships for up to 10 Egyptian high school students with disabilities to obtain their undergraduate degree from the AASTMT, as one of the prominent universities in Egypt. The scholarship aims to provide excellent educational opportunities to students with disabilities that would enhance their job market skills. The scholarship covers tuition fees, accommodation, living allowance and necessary accessible accommodation.

EVENTS

TouMali Conference

Under the patronage of Mr. Eng. Ahmed Gaber, Chairman and Managing Director of the Alexandria Drinking Water Company, and based on the directives of his Excellency, the General Administration for Research and Development, led by Dr. Maisa Salah El-Din, Director General of the Research and Development Department, was honored to participate in the activities of the TouMali Conference organized by the Arab Academy for Science and Technology and Maritime Transport (AASTMT) from October 10-11, 2022 at the Academy's headquarters in Abu Qir - Alexandria, and that was titled "The Contribution of Sound Waste Management Systems to Sustainable Tourism and the Protection of Marine Ecosystems".



TouMali Conference on AASTMT webpage

MED SE(A)CAP Integration for Sustainable Development Goals in a Smart Society "SEACAP 4 SDGs"

The SEACAP 4 SDG project aligns closely with the Program's objectives and the call for capitalization projects. It focuses on addressing the energy efficiency of public buildings, which is a significant concern in the Mediterranean region due to the impact of climate change on quality of life and demographic changes. The project utilizes the outputs and partners of 10 selected reference projects to analyze and adapt their results to the specific contexts

of the eight countries covered by the project. Through pre-evaluation and collaboration with the reference project partners, the SEACAP 4 SDG project aims to leverage best practices, financial mechanisms, and awareness-raising activities to ensure successful replication of solutions in the project's territories. The project aligns with the capitalization framework outlined by the Program and also receives funding from the European Neighborhood Instrument Cross Border Cooperation for Mediterranean countries.

MED SE(A)CAP Integration for Sustainable Development Goals in a Smart Society "SEACAP 4 SDGs" project on AASTMT webpage

"AASTMT - Ministry of Youth and Sports" Cooperation

Within the fruitful cooperation between the Arab Academy for Science, Technology and Maritime Transport (AASTMT) and the Egyptian Ministry of Youth And Sports, H.E. Prof. Dr. Ashraf Sobhy - Egyptian Minister of Youth and Sports, and H.E. Prof. Dr. Ismail Abdel Ghafar Ismail - AASTMT President signed an agreement between AASTMT and Ministry of Youth and Sports to implement co-operational programs and projects in entrepreneurship, as AASTMT is considered to be a strategic partner to the Ministry of Youth and Sports. The agreement was signed on Sunday 11- 12- 2022, at AASTMT Smart Village Campus, along with the opening of the first scientific forum of AASTMT Smart Village College of Language & Communication, in the presence of H.E. Ambassador Ahmed Rashid Khattabi - Secretary-General and Head of the Media and Communications Sector of the League of Arab States, and AASTMT officials.



"AASTMT - Ministry of Youth and Sports" Cooperation on AASTMT webpage

German African Mediterranean Cooperation toward Prevention of Marine Litter

Within the framework of the Arab Academy for Science, Technology and Maritime Transport interest in participating in international conferences and forums, Prof. Dr. Alaa Abdel Bary - Vice President of the Academy and Professor at the Institute of Basic and Applied Sciences - College of Engineering and Technology participated in the Climate Summit Conference held in Sharm El-Sheikh on Wednesday, November 16, by presenting a lecture "German African Mediterranean Cooperation Toward Prevention of Marine Litter" The summit was run by the Environmental ministers of Egypt, Gabon and Senegal. His Excellency`s lecture was the only case that was chosen to be presented in this axis as a model for African cooperation.



German African Mediterranean Cooperation toward Prevention of Marine Litter event on AASTMT webpage

AASTMT Participation in COP27

Within the framework of the College of Engineering and Technology's interest in following up its distinguished graduates and its keenness on their participation in the various activities that achieve the country's strategic vision and goals, an interesting meeting was held between Dr. Albadr Ossman Head of Construction & Building Department and Eng. Donia Maarouf to attend the COP27 organized by the Arab Republic of Egypt in Sharm El-Sheikh to encourage and congratulate it on the occasion of its selection as one of the organizers of the United Nations Climate Youth Conference COY17, which was held in the first of November in Sharm El-Sheikh.



AASTMT Participation in COP27 on AASTMT webpage

"Climate and Energy Impact Showcase" in COP27

The participation of the delegation of the College of Engineering and Technology headed by Dr. Al-Badr Othman - Head of the Department of Construction and

Building Engineering today in a session. Climate and Energy Impact Showcase While attending the COP27 climate conference organized by the Arab Republic of Egypt through the program "Egypt University Partnership Accelerator (UPA) U.S. Exchange" In which the College of Engineering and Technology participates in several Egyptian and international universities to present the faculty`s activities and distinguished undergraduate and postgraduate students` projects that have a link and influence with the topics of the climate conference.



"Climate And Energy Impact Showcase" in COP27 on AASTMT webpage

Green Land Green Skills for A Sustainable Development

The Mediterranean area suffers from extremely high rates of youth and female unemployment. To face this challenge, GREENLAND promotes social inclusion and fight against poverty by providing unskilled and underprivileged young people with marketable skills in the Green and Circular Economy, with the potential to generate thousands of jobs. To reach its objective, the project will create new curricula based on market needs, skills transfer to NEETs and women, media-based training tools, and cultural exchanges among young people. This project is funded by ENI CBC MED Program.

Green Land Green Skills for A Sustainable Development on AASTMT webpage

Integration of Sustainable Development Goals Inuniversities for Better Climate Change Management "Involve"

To strengthen the role of the Egyptian Universities in the achievement of the environmental Sustainable Development Goals through enhancing their organizational governance capacities, creating current and future SDGs implementers, and upgrading their operational facilities necessary to the implementation of innovative practices for the achievement of the environmental SDGs. This is an Erasmus plus funded project.

Integration of Sustainable Development Goals Inuniversities for Better Climate Change Management "Involve" on AASTMT webpage

Academy Publishing Center

APC is the publishing center of Arab Academy for Science, Technology, and Maritime Transport (AASTMT), whose main campus is in Alexandria, Egypt. As of January 2022; APC has six current e-journals in different majors. APC adopting the open access model in all published journals. *Academy Publishing Center (aast.edu) on AASTMT webpage*

Master Course between AASTMT and University of Catania (Italy)

The SECCM program, accredited by the Supreme Council of Universities in Egypt, is a two-year program that brings together four European countries (Italy, Greece, Lithuania, Slovenia) and four Egyptian universities (Alexandria University, Suez Canal University, South Valley University, Arab Academy for Science, Technology, and Maritime Transport). It offers a unique and distinguished curriculum that combines natural and applied sciences to study climate change, its causes, effects, and adaptation strategies. The program aims to equip graduates with the knowledge and skills needed to address climate change challenges at local, regional, and international levels. It prepares students for careers in climate change management across environmental,

research, and industrial sectors. With joint European universities involved in teaching the program, it meets the growing demand for climate change expertise in Egypt, Arab countries, and Europe. The program covers a range of subjects, including Introduction to Climate Change, Meteorology and Climate Observation, Marine Resources and Sustainability, Environment Risk Assessment and Management, Climate Change Management, Numerical Modeling and Tools, GIS and Remote Sensing, Data Analysis and Processing, Research Methodology, and Master's Thesis.

Master course on Maritime Postgraduate Studies Institute-Alexandria / AASTMT on AASTMT webpage

Mapping AASTMT courses with the UN SDGs

In pursuit of genuine commitment to the UN-SDGs, AASTMT has launched an initiative in 2020 that incorporates the 17 goals into all courses of all programs across all campuses. The outcome of mapping curricula to the 17 SDGs is a report that showcases the number of courses across all campuses that comply with each SDG.

Partnerships to achieve the Goal-Alexandria / AASTMT on AASTMT webpage

OUR OPPORTUNITY TO THANK THOSE WHO HAVE HELPED AND SUPPORTED IN PREPARING **THIS AASTMT SDGs REPORT 2020/2021**

UNDER THE PATRONAGE OF HIS EXCELLENCY AASTMT
PRESIDENT PROF. ISMAIL FARAG ISMAIL ABD ELGHAFAR



Arab Academy For Science, Technology & Maritime Transport
PRESIDENT

AASTMT SDGs **MANAGEMENT TEAM**

YASSER GABER, Dean of Scientific Research and Innovation, AbuKir.

RANIA RAGEH, Head of Research Data Science and Academic Ranking, AbuKir.

MOHAMED YOUSSEF, Head of Scientific Projects Management Department, AbuKir.

OMNEYA DARWISH, Director of Sustainable Development, AbuKir.

ELECTRONIC CONTENT COORDINATORS

MOHAMED AL SAKRAN, Senior Scientific Publishing Specialist, AbuKir.

IMAN EID, Head of websites Design Department, AbuKir.

AHMED ABDEL LATIF, Data Scientist, Web Developer & IT Solutions Consultant, AbuKir.

DINA MOSTAFA, Data Entry Specialist.

REPORT PREPARED BY

ALY MOHAMED ELHARIDI, Vice Dean of Educational & Students Affairs - College of Engineering and Technology, Al-Alamein.

MULTIMEDIA & GRAPHIC DESIGN

YARA EL RAYESS, Senior Graphic Designer.



AASTMT SDGs OFFICERS

- SDG 1 :** INAS HUSSEIN HASSAN,
Associate Professor of Applied Linguistics & Vice Dean for Graduate Studies and Scientific Research,
College of Language and Communication, Miami.
- SDG 2 :** RANA SHAABAN,
Assistant Professor in Marketing at College of Management, Miami;
MOHAMED ELHUSSIENY,
Third Maritime Lecturer, College of Maritime Transport and Technology, Abukir.
MOHAMED MASHALLY,
Professor and Head of the Department of Civil Engineering - Faculty of Engineering and Technology, Port Said.
- SDG 3 :** SALMA ELMALLAH,
Assistant Professor of Medicinal Chemistry, College of Pharmacy, AbuKir.
- SDG 4 :** FAHIMA MAGHRABY,
Associate Professor of Computer Science, College of Computing and Information Technology, Heliopolis.
HEBA SHAABAN,
Professor of Wireless Communications, College of Engineering and Technology, Abukir.
- SDG 5 :** MANAR MOHAMED HAFEZ,
Assistant Professor of Software Engineering & Head of Quality Assurance at College of Computing and Information Technology, Smart.
SALLY MAHER NASSAR,
Assistant professor in college of Language and communication - Smart village campus , Head of departments - Arab Academy
International Study Centre, Smart.

- SDG 6 :** RANIA ASSEM IBRAHIM,
Assistant Professor in Electrical & Control Engineering, College of Engineering & Technology, Abukir.
MOHAMED MOSTAFA (CO OFFICIER),
Assistant Professor in Mechanical Engineering Department, College of Engineering and Technology, Sheraton Campus, Sheraton.
- SDG 7 :** MOSTAFA ABDELGELIEL,
Head of Energy Research Unit, Collage of Engineering and Technology, Abukir.
NAHLA EZZELDIN ZAKZOUK (CO-OFFICER),
Associate Professor in Electrical & Control Engineering, College of Engineering & Technology, Abukir.
- SDG 8 :** HAZEM RASHEED ABDELWAKIL GABER,
Associate Professor in Marketing and International Business Department, College of Management & Technology, Miami.
- SDG 9 :** Wael DEBOKI BEDDA,
Director of Entrepreneurship Center, Heliopolis.
DALAL KHALIL,
PR and Media Senior Specialist, Entrepreneurship Center, Heliopolis.
- SDG 10:** GHADA IBRAHIM ELKADY,
Assistant Professor of Supply Chain Modelling & Digital Transformation, Abukir.
- SDG 11:** SHAHIRA IBRAHIM HASSAN,
Assistant Professor at the College of International Transport and Logistics, Heliopolis.
NOHA HANY EL-AMARY,
Professor of Electrical and Control Engineering & Vice-Dean for Training and Community Service, College of Engineering, Heliopolis.
- SDG 12:** AHMED HUSSEIN MAHMOUD ALI,
Assistant Professor in Supply Chain Sustainability and Sustainable Performance Management, Abukir.
OMNEYA ATTALLAH,
Associate Professor of Electronics and Communications Engineering, College of Engineering & Technology, AbuKir.
- SDG 13:** KAREEM TONBOL,
Professor of Physical Oceanography and Climatology, Dean of Scientific Research for Maritime Affairs, Abukir.
BASSMA MAHMOUD ALI,
Chemistry at College of Pharmacy, Abukir.
ZAINAB ALY SALEH,
Lab Specialist at College of Pharmacy, Abukir.
- SDG 14:** MOHAMED ELSAYED ELBAWAB,
Marine Chief Engineer, Second Maritime Lecturer, Sea Training Institute, Abukir.
HAIAM MORSY ABOUL-ELA,
Head of Aquaculture department, College of Fisheries and Aquaculture Technology, Abukir.
- SDG 15:** KAREEM TONBOL,
Professor of Physical Oceanography and Climatology, Dean of Scientific Research for Maritime Affairs, Abukir.
ELEN EMAD YOUSSEF, RAGAA AHMED MOHAMED,
Lab Specialist at College of Pharmacy, Abukir.
- SDG 16:** RASHA KHATAB,
Head of Products and Services Quality Department - Industry Service Complex, AbuKir.
SHAIMAA OSAMA ELFIKY,
Quality Manegement coordinator, AbuKir.
- SDG 17:** ALY MOHAMED ELHARIDI,
Vice Dean of Educational & Students Affairs - College of Engineering and Technology, Al-Alamein.

