

Arab Academy for Science, Technology & Maritime Transport



Arab Academy
for Science, Technology & Maritime Transport



Report 2022 / 2023

SDG 17

Our Aim in 2022 -2023

At AASTMT, we are dedicated to advancing the Sustainable Development Goals (SDGs) by embedding sustainability into education, fostering impactful partnerships, and empowering communities. Our academic programs prepare students to tackle global challenges, while collaborations with universities, industries, and organizations drive innovation and promote knowledge sharing. Beyond academia, we engage with communities through outreach and skill-building initiatives, ensuring inclusivity and equitable development. By uniting education, innovation, and strong partnerships, AASTMT plays a pivotal role in achieving all 17 SDGs and shaping a sustainable future.

THE Impact Ranking Scores 2021-2022



SDG 17

SDG 17

PARTNERSHIPS FOR THE GOALS



Key Milestones in 2022-2023

In 2022–2023, the Arab Academy for Science, Technology, and Maritime Transport (AASTMT) achieved significant milestones in advancing Sustainable Development Goal 17 (SDG 17), "Partnerships for the Goals." By fostering impactful collaborations with universities, institutions, and organizations, and through transformative educational initiatives, AASTMT has reinforced its role as a catalyst for sustainable development.

AASTMT established partnerships with prestigious universities around the world, enhancing academic exchange, joint research, and international collaboration. Notable partners include **MIESPPU - Pune University (Qatar), Batumi Navigation Teaching University, BBW University of Applied Sciences, Collège de Paris, Monash Consultancy Agreement, Sheridan College Institute of Technology, Ningxia Medical University, Northwestern Polytechnical University, Politehnica University of Bucharest, Rudan University, International University of Logistics and Transport (Poland), University of Genoa (Italy), University of Maribor (Slovenia), and University of Pisa (Italy)**. These partnerships provide opportunities for students and faculty to engage in global academic initiatives, fostering cross-cultural collaboration and knowledge sharing.

Beyond academic partnerships, AASTMT collaborated with leading institutions and companies to advance education and professional development. Key collaborations include agreements with the **China-Arab States Technology Transfer Center, ECCC Foundation (Ministry of Science & Education, Poland), Eproom Company, Obyan Incorporation (UAE), Star Shine Shipping & Logistics Company**, and the **Beijing Academy for Artificial Intelligence**. These partnerships are pivotal in promoting innovation, aligning educational programs with industry demands, and preparing graduates for emerging global challenges.

AASTMT's commitment to sustainable development is further reflected in its community-driven collaborations with organizations dedicated to service, environment, and equity. Partnerships with the **American Society of Health-System Pharmacists, Arab Women in Maritime Association, Troodos Education & Digital Development (Cyprus), National Council of Women**, and the **ICPC International Collegiate Programming Contest** have empowered communities, championed gender equity, and supported environmental sustainability.

Educationally, AASTMT reached new milestones by embedding sustainability into its curriculum and programs. The Academy has cultivated a generation of future leaders equipped to address global challenges by emphasizing innovation, ethical governance, and technological solutions. International exchange programs and research collaborations further strengthen the global engagement of AASTMT's students, exposing them to diverse perspectives and best practices.

Additionally, AASTMT has extended its impact through community-focused educational initiatives. Workshops, seminars, and skill-building programs have reached local communities, empowering youth, women, and underrepresented groups to actively contribute to sustainable development. Professional training and certification programs have also ensured that industry professionals continuously enhance their skills, aligning with evolving sustainability principles and industry innovations.

Community Engagement

Agreement Between AASTMT and Afro- Asian Union for Sustainable Development

The union is branched from The Afro-Asian Peoples' Solidarity Organization (AAPSO). The collaboration that was signed with Agro- Asian Union March , 2022 enables AAST students to enroll in joint training, workshops and organize joint conference that support suitable developments. The union will refer to AAST to enrich its experience with academia and to have joint campaigns and activities that support SDG.



AASTMT and Afro- Asian

AAST collaboration the Strategic Women and Youth Institute

AAST signed MoU with Strategic women and youth institute Febraury, 2022, the agreement state to have joint programs that support suitable development and gender equality in leadership. The collaboration extended to include Seminars, workshops and case studies. For the next year of such collaboration, AAST maintains sustainable activities with Strategic women and youth to support its roadmap for achieving SDG.



AAST signed MoU

AAST Agreement with Obyan

AAST signed MoU with Obyan August, 2023 to achieve the goal of Quality Education in Sustainable development. Based on this agreement, students of Artificial intelligence are eligible to participate in Research & development in renewable energy and green environment, join internship in Obyan, in the College of Artificial Intelligence collaborated with Obyan Company in their Graduation Project. Such Collaboration will support AAST roadmap for green environment



MEMORANDUM OF UNDERSTANDING

Between

Arab Academy for Science, Technology & Maritime Transport (AASTMT), Egypt

And

OBYAN Incorporation, UAE

This Memorandum of Understanding (the "Agreement") is made on the 21st of June 2023 by and between Arab Academy for Science, Technology and Maritime Transport ("AASTMT") with its main office at Mai Gass, Alexandria, Egypt and OBYAN Inc., with its main offices in Maydan Free Zone, Dubai, UAE. "OBYAN" and "AASTMT" are sometimes referred to herein individually as the "Party" or collectively as the "Parties".

Recitals:

AASTMT is engaged in the business of higher education, teaching students, and conducting research in various fields.

OBYAN mission is the utilization of software innovation and state of the art engineering to promote zero emission mobility in the Egyptian market.

Terms and Conditions:

Duties and Responsibilities of OBYAN:

1. Collaborate with the Research and Development (R&D) department on joint projects.
2. Facilitate test drives of e-scooters on a university-approved route.
3. Supply e-scooters to the campus security team for enhanced mobility, with a discounted price (first e-scooter for free, then a discounted price from the second).
4. Establish battery swapping stations.
5. Offer a summer internship program for third and fourth-year students.
6. Conduct annual seminars for first-year students to introduce them to the partnership and its benefits.

Intellectual Property Rights:

Each party shall retain all right, title, and interest in its own existing intellectual property and proprietary information and to any intellectual property independently developed by the institution during the term of this MOU.

Duration, Renewal & Termination of the Memorandum of Understanding:

This Memorandum of Understanding is initially valid for two years from the date of signature by both parties. Both parties shall discuss and decide on the continuation or renewal of the Memorandum three months prior to its expiration.

Either party reserves the right to withdraw from this memorandum by giving three month's written notice to termination.

For OBYAN Incorporation

 Mohamed El-Shafiq,
 Founder of OBYAN Inc.,
 Date: 16/8/2023

For The Arab Academy for Science, Technology & Maritime Transport

 Prof. Dr. Ismail Hamed Ghaleb
 President,
 Date: 17/8/2023

AAST Agreement with Obyan

AAST Collaboration with EPROM

AAST signed agreement with EPROM May, 2023, the agreement state to support the educational learning process with industrial best practices, the agreement enables the engineering college to join training opportunities in EPROM. EPROM- College of Engineering agreement target as well how to get advantages form academia role in SDG role to reduce

the impact on environment. It plans awareness campaign to SDG support in light of Egypt Vision toward (2030). Both sides will support the three dimension (Economical, Social and environmental) and support the project related to that vision to control its impact on climate change.



[AAST signed agreement with EPRO](#)

ESSD 2023: Engineering Solutions Toward Sustainable Development

Students of the Department of Architecture and Environmental Design at the Faculty of Engineering and Technology at AASTMT Port Said Branch, affiliated to the Deanship of Prof. Dr. Akram Suleiman Al-Solamin, participate in the activities of the "International Conference on Engineering Solutions Towards Sustainable Development" ESSD May 2023: Engineering Solutions Toward Sustainable Development

The college encourage its students - future makers - to align with the revolution of the green transformation of the economy at the local and international levels by highlighting entrepreneurship activities and activities to support community development, Prof. Dr. Rabab Farouk - Professor at the Department of Computer - Faculty of Engineering at Port Said University, Dr. Basma Nashat - Lecturer at the Department of Architecture - Faculty of Engineering at Port Said University Dr. Nader Mohamed Gharib - Head of Department of Architecture and Environmental Design - College of Engineering and Technology at AASTMT and Dr. Sami Salem - Lecturer at AASTMT Department of Basic Sciences - College of Engineering and Technology at AASTMT



[College of Engineering & Technology-Alexandria | AASTMT](#)

Escola Europea –Intermodal Transport

In line with the vision of the College of Engineering and Technology in supporting the quality of education and training and to achieve the sustainable development goals, Prof. Dr. Akram Suleiman Al-Salami - Dean of the Faculty of Engineering and Technology and Professor of Port and Coastal Installations Engineering participated on May, 2023 in the activities of the international training program YEP-MED Talent, which was held within the activities of the "Youth Employment in Mediterranean Ports" (YEP MED) project, which includes 11 partners from 7 Mediterranean countries: Egypt, Tunisia, Lebanon, Jordan, Spain, Italy. and France, at the headquarters of Escola Europea – Intermodal Transport in Barcelona, Spain, which will be held throughout the week from May 2023.

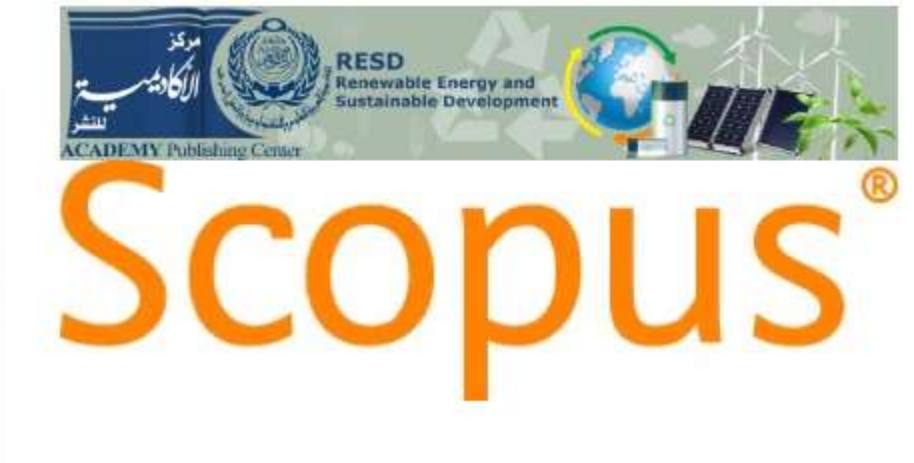
Prof. Dr. Akram Suleiman Al-Salami gave a lecture on the Global Port Sustainability Program and its impact on port communities in the presence of 40 trainees from the participating countries. The training program aims to increase the employability of young people; and raise the level of employment opportunities through the creation of real dual educational programs with functional jobs.



[College of Engineering & Technology-Alexandria | AASTMT](#)

RES D in Scopus

College of Engineering & Technology announce April, 2023 the indexing ‘Renewable Energy and Sustainable Development Renewable Energy and Social Development’ Journal in the global database Scopus, which is a unique experience for an Egyptian publishing house to have an indexed scientific journal in Scopus. Prof. Dr. Akram Suleiman Al-Sulami, Dean of the College of Engineering and Technology, extends his sincere thanks and appreciation to Prof. Dr. Yasser Gaber - Dean of Scientific Research and Innovation and all those in charge of this great achievement, wishing our prestigious academy continued progress and advancement.



[College of Engineering & Technology-Alexandria | AASTMT](#)

AAST collaborate with Borg- Arab Technical University

AAST signed MoU with Borg El-Arab Technical University April, 2023. The agreement entails many activities such as knowledge exchange, joint activities such as participation in international and national projects that support the suitable development and conferences. The collaboration between two sides will enrich student’s knowledge with more academic and practical skills to have skilled graduates support Egypt vision for Sustainable developments.



[AAST collaborate with Borg- Arab](#)

AAST collaboration with Urban Development Fund

AAST signed MoU with Urban Development Fund February 2023, The Urban Development Fund focuses on projects in Egypt’s capital cities and governorates, aiming to protect areas with unique characteristics. Both sides agree on Knowledge exchange in the field of urban development in the way to support modern urban and sustainable development. The educational deliver process will be enriched with further practical skills through training, workshops, projects participation and further reserach in SDG.



[AAST collaboration with Urban Development Fund](#)

"Climate and Energy Impact Showcase" in COP27

AAST announce 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 November, 2022 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.



[Clean Water and Sanitation-Alexandria | AASTMT](#)

AAST Agreement to Establish China – Arab (AAST) Technology Transfer Center

AAST signed MoU with Ministry of Science and Technology of the People’s Republic of China and the People’s Government of Ningxia Hui Autonomous Region in Nov, 2022 to establish China center of technology transfer. The center will carry-out technologies on demand, exchange and collaboration in key sector such as high speed rails, aerospace, satellite communication, new energy, modern agriculture that support Egypt roadmap to achieve SDG.





AAST Agreement to Establish China

Urban and Transportation Regeneration

The Faculty of Engineering and Technology is heavily participating in internationally funded research projects that will have a great impact on community service and environmental development. UPGRADE is an Erasmus+ Joint Regional Project, aimed Capacity Building in the field of Higher Education. The project consortium comprises the departments of Architecture, Urban Planning, and Civil Engineering in 8 highly reputable Higher Education Institutes and one Research Center from 6 different countries. Two of which are Partner Countries (Egypt and Lebanon) -in which the project will be held- and four of which are Program Countries (Germany, Italy, Greece, and Spain) -by which the project will be supervised. A team from the Department of Architecture and Environmental Design - headed by Prof. Dr. Yasser Farghali, and the Deanship of Prof. Dr. Akram Suleiman Al-Solami, participated in a workshop in Greece August 2022, within the framework of projects funded by the European Union ERASMUS + entitled: Urban and Transportation Regeneration for Reducing Automobile Dependency in the MENA Region: UPGRADE, TOT. The project have many partners from Egypt, Lebanon, Greece, Germany, Italy and Spain. The visit includes field visits as well.



TouMali Initiative on Sustainability in Maritime Transport

In 2022, AASTMT spearheaded the TouMali initiative, emphasizing the integration of sustainability principles into the maritime transport sector. By collaborating with local and international partners, the initiative facilitated in-depth discussions on embedding SDG-focused education into maritime logistics and transport programs. This effort highlighted AASTMT's leadership in advancing sustainability through innovative approaches to education and its dedication to making sustainability concepts relevant and applicable across disciplines. The initiative's collaborative framework provided opportunities to connect academic knowledge with real-world sustainability challenges, particularly in maritime logistics. Through such efforts, AASTMT ensures that SDG principles are integrated across its curriculum, fostering a learning environment that equips all students, regardless of their specialization, with the skills and insights needed to tackle global environmental challenges. This initiative exemplifies AASTMT's unwavering commitment to meaningful education that prepares future professionals to contribute to sustainable development on both local and global scales.



[TouMali Initiative](#)

Environment Day Initiative (2023)

In June 2023, AASTMT organized **Environment Day**, an event dedicated to raising awareness about environmental sustainability among both students and faculty. This initiative aimed to spark dialogue and inspire action on climate issues, focusing on fostering a deeper understanding of how individuals and institutions can contribute to environmental sustainability. Through workshops, discussions, and hands-on activities, Environment Day provided participants with practical tools and knowledge to address pressing environmental challenges. The event emphasized the importance of collective responsibility in tackling climate change, further embedding environmental consciousness into the university's educational framework.

This initiative reflects AASTMT's commitment to **providing meaningful education** that promotes sustainability awareness across the entire academic community. Depending on the scale of public participation, it may have extended its impact beyond campus, engaging the broader community in the fight for a more sustainable future.



[Environmental Day](#)

Training by the Egyptian Stock Exchange

AASTMT collaborates with the Egyptian Stock Exchange to offer practical training aimed at providing students with essential skills in financial literacy and stock market operations. This program prepares future professionals to integrate sustainable economic practices in their fields, equipping them with the expertise necessary to make informed financial decisions.



[Egyptian Stock Exchange](#)

AASTMT's Participation in the Global Refugee

AASTMT participated in the Global Refugee Forum (GRF), which focused on enhancing the inclusion of refugees in decision-making processes affecting their lives. This engagement is particularly significant in the context of Egypt and the Syrian Refugee Crisis, where many Syrian refugees seek safety and stability. Through its involvement in the GRF, AASTMT emphasized the importance of meaningful refugee participation in addressing displacement challenges. This initiative underscores the need for collaboration among various stakeholders, including educational institutions, to support and advocate for the rights of displaced individuals.



[Global Refugee](#)
[AASTMT & Global Refugee](#)

Arab Food Security and Sustainability Workshop

The Arab Food Security and Sustainability Workshop, held at the Arab League Pavilion in Expo City Dubai, focused on critical issues related to food security and sustainable agricultural practices. This workshop engaged participants in dynamic discussions surrounding sustainable development and food systems, emphasizing the need for resilient agricultural methods in the face of global challenges. By bringing together stakeholders from various sectors, AASTMT facilitated important conversations aimed at fostering collaboration and promoting sustainability in agriculture, thus addressing key aspects of the Sustainable Development Goals (SDGs).



[Food Security](#)

Workshop at Alexandria Language School (ALS)

AASTMT conducted a workshop at the Alexandria Language School to introduce students to concepts of Artificial Intelligence (AI) and sustainability. This initiative aimed to foster interdisciplinary learning by encouraging younger students to explore how technology can address pressing global sustainability challenges. The workshop exemplifies AASTMT's commitment to extending sustainability education beyond the university, engaging younger audiences in meaningful ways. By teaching about the intersection of AI and sustainability, the academy promotes early exposure to the Sustainable Development Goals (SDGs) within the wider community.



[ALS](#)

UPGRADE Program at AASTMT

The **UPGRADE program** at AASTMT focuses on addressing the challenges faced by unprivileged minorities, particularly in the context of urban mobility and transportation. This initiative aims to enhance access to mobility services through multidisciplinary education and research, fostering innovation to improve the living conditions and economic status of marginalized groups.

By engaging with local transportation businesses and implementing research-driven strategies, UPGRADE seeks to empower these communities and promote sustainable practices. For more detailed insights into the visit the official AASTMT



UPGRADE

Events

Artificial Intelligence for Sustainability Workshop

The Sustainable Development and International Cooperation Administration is organizing a workshop on "Artificial Intelligence for Sustainability" under the patronage of His Excellency Mr. Ahmed Aboul Gheit, Secretary-General of the Arab League, and His Excellency Professor Ismail Abdelghafar Ismail Farag, President of the Arab Academy for Science, Technology and Maritime Transport.

The Arab League will be hosting the workshop December 2023 at its headquarters, with the aim of enhancing the Arab concept of sustainability through artificial intelligence. The workshop aims to shed light on how technology and artificial intelligence can be used to promote environmental, economic, and social sustainability. It will bring together experts and specialists in the field of artificial intelligence from various Arab countries to exchange knowledge and experiences. It is expected that the workshop will contribute to raising awareness among attendees about the importance of artificial intelligence in achieving sustainability and promoting sustainable development in the Arab world. The organization of this important workshop highlights the Arab League's commitment to keeping up with modern developments in technology and promoting sustainability in the region.



Participation of AASTMT in the activities of the Conference of the Parties to the United Nations Framework Convention on Climate Change

The Arab Academy for Science, Technology and Maritime Transport - one of the technical arms and specialized organizations of the League of Arab States - is honored to announce participating in the activities of the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP28) held November 2023 in Dubai, United Arab Emirates. Through the Arab League Pavilion in the Blue Zone, Pavilion No. MS01g2, the Academy is organizing a number of specialized technical sessions covering several topics which will be discussed throughout the conference days:

- **Wednesday, December 6, 2023**, which is dedicated to the topics “Multi-level Action – Urbanization – Built Environment – Transport, the Arab Academy has two sessions: First: The Engineering and Technology Forum “Towards a Green and Sustainable Future “by integrating interdisciplinary Engineering Knowledge and Technology. Secondly: Sustainable Shipping Forum: Navigating Strategic Transformation in Maritime Industry Strategic Ocean Alliance: Fostering Global-Arab Collaborations for Marine Resilience against Climate Change.
- **Saturday, December 9, 2023**, dedicated to the topics “Nature – Land Use – Oceans”. **Strategic Ocean Alliance: Fostering Global-Arab Collaborations for Marine Resilience against Climate Change.**
- **Sunday, December 10, 2023**, dedicated to the topics “Food – Agriculture – Water”. In cooperation with the Union of Arab Chambers, the Academy organizes a workshop on Food Security and Sustainability as well.



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International Conference GENDERCOM 2023

Faculty of Language and Media at the Arab Academy -participated in International Conference GENDERCOM 2023, Which was organized by the University of Cádiz in Spain, 26 -31 October 2023. The faculty participated with different aspects: publication of research papers related to women's issues as key goal of sustainable development to empower women. Secondly, organizing & chairing a special session on behalf of the Faculty of Language and Media at the Arab Academy for Science, Technology and Maritime Transport at the conference.



[College of Language and Communication-Alexandria | AASTMT](#)

RIBA Design CHARETTE

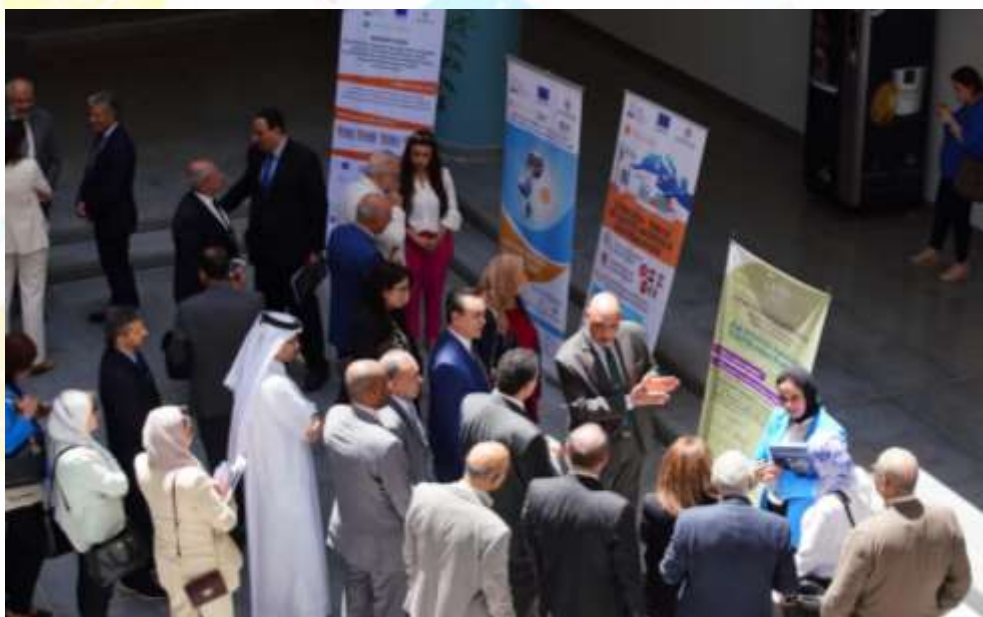
The department of architectural engineering and environmental design Abi Qir Campus is pleased to announce acquiring the FIRST and THIRD place in the RIBA Design CHARETTE held on 22, 23rd September 2023 which is an annual competition made by RIBA (Royal Institute of British Architects). Students were required to participate in a 2-day workshop and design review with a Grand Jury on the theme of Sustainability and Architecture in Egypt to be showcased at the Cityscape Egypt Exhibition and RIBA's international platform. The title of the competition for this year was "Sustainable Transport Solutions " with the participation of 6 groups



College of Engineering & Technology-Alexandria | AASTMT

AI for Sustainability

Within the framework of the Arab Academy for Science, Technology and Maritime Transport (AASTMT) endeavor to always look to new future prospects, and its keenness to remain as one of the effective arms and one of the specialized organizations of the League of Arab States (LAS) to provide its services to Arab countries to achieve their national goals, AASTMT organized the activities of the fourth meeting of the Arab Artificial Intelligence Working Group, during the period from 7 - 8 June 2023, at AASTMT Alamein Campus. H.E Prof. Dr. Ismail Abdel Ghafar Ismail Farag - AASTMT President, participated in the meeting activities that was held on Thursday 8- 6- 2023. The student presented graduation project related to Green hydrogen production- environment friendly.

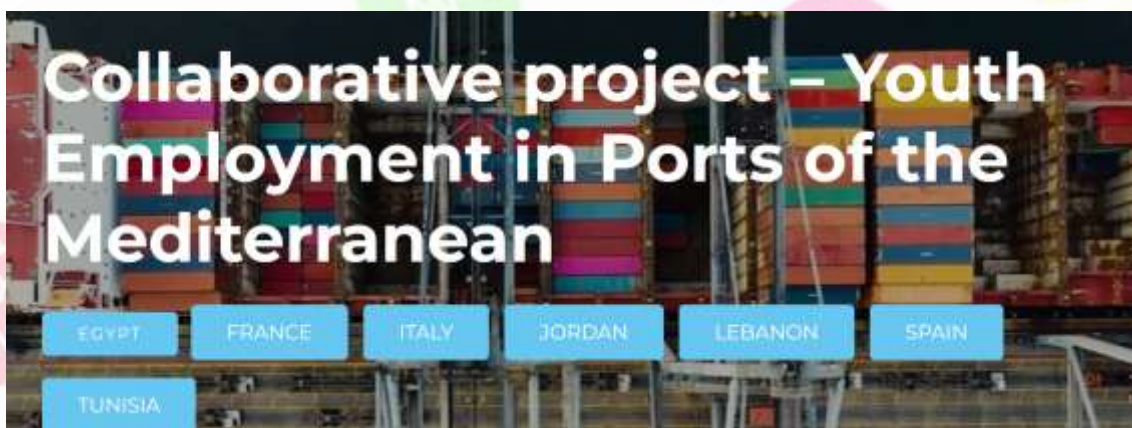


College of Engineering & Technology-Alexandria | AASTMT

Youth Employment in Ports of the Mediterranean

College of Engineering and Technology participate in ENI Funded Project - CBC (Cross Border Cooperation). The project is entitled “Youth Employment in Ports of the Mediterranean” (YEP MED in short) was created to enrich TVET focusing on three main areas with skills shortages; foreign trade, environment and sustainability, and digitization and port logistic operations. The project developed TVET resources adapted to the sector needs in local port communities, and launched learning programs coupled with job placements. YEP MED established partnerships between key stakeholders in local port communities in the seven participating Mediterranean countries (Egypt, Spain, Italy, Lebanon, Tunisia, France and Jordan).

The project is considered as one of the World Port Sustainability Program (WPSP) that aims to demonstrate global leadership of ports in contributing to the Sustainable Development Goals (SDGs) of the United Nations.



Collaborative project - Youth Employment in Ports of the Mediterranean - World Port Sustainability Program

Sustainable Urban Mobility LAB

AASTMT President Inauguration of Sustainable Urban Mobility Lab at the Faculty of Engineering and Technology, H.E Prof. Dr. Ismail Abdel Ghafar Ismail Farag, President of the Arab Academy for Science, Technology and Maritime Transport (AASTMT), inaugurated on Tuesday, February 21, 2023, the Sustainable Urban Mobility Lab (SUSTAINABLE URBAN MOBILITY LAB.) of the Department of Architecture and Environmental Design.

The laboratory was established by a grant funded by the European Union Erasmus+ project entitled (UPGRADE), it is a joint project in partnership with educational institutions from different European and Arab countries. The project aims to raise the efficiency of educational institutions in the field of planning and sustainable urban mobility by offering new courses/best-of-practice in this field, providing training opportunities for faculty in addition to latest programs and equipment required for conducting research in that field.



[College of Engineering & Technology-Alexandria | AASTMT](#)

Electrical Energy Efficiency toward the Achievement of SDGs

The college of Engineering & technology jointly with College of Maritime & Technology hosted workshop by Twente University and ABB Dec, 2022. The workshop is entitled “Electrical Energy Efficiency Toward the Achievement of SDGs in Marine Applications: Power Drives, Shore Supply, Digitalization, Sustainability”. The speaker is Prof. Frank Leferink, Professor of Electromagnetic Interference & environment & Director Electromagnetic Compatibility (EMC) EMC at Thales, the Netherlands and Manager of the Network of Excellence of the Thales Group.



[College of Engineering & Technology-Alexandria | AASTMT](#)

Sustainability in Cities, Megacities and Megaregions

College of Engineering & Technology is keen to support the educational delivery process with expert in modern & sustainable development. The college hosted workshop November, 2022 by Dr. Nadine Ibrahim, Lecturer, Turkstra Chair in Urban Engineering, Department of Civil & Environmental Engineering, University of Waterloo in light of attending COP27. The college

faculty are committed to attend COP conference series to support the academic contents with latest techniques that support the environment and sustainable developments.



[College of Engineering & Technology-Alexandria | AASTMT](#)

Towards a Green and Sustainable Future

College of Engineering & Technology Launched initiative Sep, 2022 entitled "Towards a Green and Sustainable Future". The initiative is inline the role of the Academy to promote awareness on serving the community and open dialogue between the Academy and schools to educate students and educational institutions about the sustainable development goals. Today's activities were attended by more than 70 students and representatives of 7 different schools, in addition to the presence of Eng. Juwaida Ali Soliman - Vice President of Alexandria Water Company and Eng. Nihal Abdel Aziz Ammar - Project Engineer at Alexandria Water Company.



[College of Engineering & Technology-Alexandria | AASTMT](#)

AASTMT Achieves ZEvA Accreditation in 2022: A Step Toward Sustainable Education

In 2022, AASTMT achieved ZEvA accreditation, a prestigious recognition of its commitment to academic excellence and alignment with global education standards. This accreditation reflects the academy's dedication to integrating sustainability principles into its curriculum, fostering interdisciplinary learning that equips students to address complex global challenges. The ZEvA process emphasized AASTMT's efforts to embed social responsibility, critical thinking, and environmental awareness across its programs. By ensuring that sustainability concepts are integrated throughout its educational framework, AASTMT reinforces its role in preparing students to contribute effectively to sustainable development across industries and communities.



Reception of the Academy's President to celebrate the college's ZEvA accreditation

Sustainability-Focused Courses at AASTMT

AASTMT offers dedicated courses that address sustainability and the SDGs, ensuring that students are equipped with the knowledge and skills to contribute to global sustainability efforts. **Sustainable Development (UNR1602)** explores the intersection of sustainability and Information and Communication Technology (ICT), covering topics such as green ICT practices, renewable resources, and systems thinking, which are vital for driving sustainable development. **Climate Change and Water Management (UNR1601)** focuses on climate adaptation and water resource management, providing students with the tools necessary to address climate change and its impact on water systems. In addition to these courses, AASTMT offers the **Master of Smart Environmental and Climate Change Management (SECCM)**. This program combines natural and applied sciences to study climate changes, their causes and effects, and strategies for adaptation and mitigation. It prepares graduates to engage with global climate challenges and contribute to sustainable environmental management. Through these courses and programs, AASTMT demonstrates its commitment to embedding sustainability into its educational framework, preparing students to address critical global challenges.



[Sustainable Development Climate Change and Water Management \(UNR1601\) Master](#)

Youth Endeavors for Social Innovation Using Sustainable Technology (IEEE-YESIST12)

Hosted by AASTMT, this event took place on September 2-3, 2023, uniting young innovators to develop projects centered on sustainable technology. By focusing on the application of green technologies to address social issues, the initiative encouraged collaboration among participants from diverse backgrounds. The event highlights the importance of empowering youth to create impactful solutions through teamwork and innovation, reinforcing the value of partnerships in driving positive change.



[IEEE-YESIST12](#)

Inclusive Education and its Impact on Society

The symposium "**Inclusive Education and its Impact on Society**" brought together students, faculty, and members of the public to explore the critical role of inclusive education in driving societal progress. Featuring the renowned media figure Dr. Hala Mahfouz, the event sparked insightful discussions about the importance of accessible and equitable education systems that address the needs of all learners, regardless of background or ability.

Through engaging talks and interactive sessions, the symposium emphasized the societal benefits of inclusive education, such as fostering social cohesion, reducing inequality, and empowering marginalized communities.



[Inclusive Education and its Impact on Society](#)

Artificial Intelligence for Sustainability Workshop

The "**Artificial Intelligence for Sustainability**" Workshop, held in 2023 by the Sustainable Development and International Cooperation Administration, explored how AI can address global sustainability challenges. The event focused on AI applications in areas like climate change, energy efficiency, and resource conservation. Attendees were introduced to innovative AI solutions that promote sustainable development, equipping them with the knowledge to integrate these technologies into real-world sustainability efforts.

[Artificial Intelligence](#)

The 19th International Bebras Task Workshop (BWS2023)

The **19th International Bebras Task Workshop (BWS2023)** was held in Hurghada, Egypt, focusing on enhancing computational thinking and problem-solving skills among participants from various countries. This international workshop facilitated the exchange of innovative teaching methods and educational resources, creating a global network of educators dedicated to advancing sustainability through improved educational practices. By fostering collaboration and knowledge-sharing, the workshop supports the expansion of sustainability education into the global community, emphasizing the role of educators in delivering meaningful content that aligns with the Sustainable Development Goals (SDGs).



The 19th International Bebras
Task Workshop 2023
13-18 May 2023
Hurghada, Egypt

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Ministry of Communications
and Information Technology



Arab Academy

Welcome to the 19th Bebras Task Workshop in Egypt

[BWS2023](#)

Green Horizon: AASTMT Action Plan

The plan is designed to integrate sustainability principles into the curriculum while actively engaging students and faculty. This initiative fosters an environment that promotes sustainable practices and prepares future leaders to tackle global challenges. By equipping students with essential knowledge and incorporating mechanisms to assess their understanding, AASTMT ensures that sustainability literacy is effectively measured and improved.

This plan has been revised periodically to reflect contemporary sustainability challenges and educational strategies, reinforcing AASTMT's commitment to excellence in sustainability education.



[Green Horizon](#)

Upcoming Goals

AASTMT plans to build on its existing efforts to advance the Sustainable Development Goals (SDGs) by fostering new collaborations, enhancing educational initiatives, and expanding community engagement. The Academy aims to strengthen its focus on sustainability through innovative programs, impactful partnerships, and projects that empower students and support global progress. By continuing to prioritize inclusivity, knowledge sharing, and real-world applications, AASTMT will work to further its mission of contributing to sustainable development and preparing future generations to address global challenges effectively.

