

5.3.4 Women's Application in Underrepresented Subjects

2023-2024

The Arab Academy for Science, Technology, and Maritime Transport (AASTMT) is dedicated to promoting gender balance in education by encouraging more women to pursue studies in fields where they have been historically underrepresented. Through targeted outreach programs and partnerships with other universities, community groups, government bodies, and NGOs, AASTMT works to create a more inclusive academic environment. These efforts aim to empower women, challenge traditional gender norms, and ensure that female students have equal opportunities to succeed in all areas of study, including those traditionally dominated by men.

Through University Outreach:

Awareness Campaigns


AASTMT conducts focused outreach campaigns designed to inspire and inform prospective female students about academic opportunities in STEM and other fields where women are traditionally underrepresented. These initiatives aim to raise awareness, build confidence, and encourage more women to pursue studies and careers in areas that are critical to innovation and future development.




AASTMT and RENEW-MENA Host Joint Event to Promote Gender Inclusion and Education for Energy Transition and Climate Action in MENA

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Tracks Submission Speakers Committee Registration Program Preparing Camera-Ready Venue Sponsors ESI Student Competition EWEST Women Empowerment Workshop Hotels Contact Us



The ICMISI 2024 Conference is established to facilitate the state-of-the-art research, innovation, and development activities at the frontiers of Artificial Intelligence, Machine Intelligence and Smart Technology.

IC-ESI'2024 Student Competition



International Competition on Eco-Smart Innovations (IC-ESI'2024) for Intelligence Sustainability

On the Margin of the International Conference of Machine Intelligence and Smart Innovation (ICMISI'2024), inspiring youth and students creativity to realize project ideas with Sustainable Development Goals SDGs, an International Exhibition and Competition is organized on Eco-Smart Innovations (IC-ESI'2024) for Intelligence Sustainability.

Organized by IEEE Egypt AP-S / MTT-S Joint Chapter in Cooperation with the IEEE Women in Engineering Egypt Section (IEEE Egypt WIE). Technically sponsored by IEEE Egypt Section, IEEE Alexandria Sub-Section, IEEE Women in Engineering - Egypt Section, and SCORS Tech.

The competition is for Institutes, Colleges, Universities, Postgraduate Students, STEM and High Schools, and aims to stimulate students' interests and enable them to understand and experience the role of engineering in scientific and engineering innovation.

The IC-ESI'2024 competition contributes to building the future through an engaging and highly competitive environment for disruptive thinking, innovation, and change.

This is your window of opportunity to seize the post-pandemic, Al-enabled future. Don't miss this participation opportunity!

The IC-ESI'2024 competition, on the margin of the ICMISI Conference, that encourages creativity disruptive thinking, and recognizing opportunity where there is stress is "Create the Future."

The competition allows anyone to present and develop their experience on a global scale.
 All participants can face challenges that require practical participation, and thinking outside the box.
 Special awards will be presented to youth, women, young girls, and young innovators with projects of remarkable innovative ideas.
 Winning teams will receive remarkable prizes.

Registration is NOW Open!

- Registration Form
- Challenge Areas
- Proposal Template
- Proposal Submission

Don't miss your chance to be part of this great event.
For more information, kindly contact the ICMISI conference at: icmisi2024@aastmt.edu

The 2024 International Conference on Machine Intelligence and Smart Innovation (ICMISI 2024)











EmpowerHER

Advancing Women in STEM Higher Education and Careers

REGISTER YOUR PARTICIPATION

The project to increase the participation of women in the workforce and empower women in STEM sectors in Egypt.






women development and empowerment workshop

Sustainable AASTMT-Alexandria | AASTMT



The International Day of Women and Girls in Science Celebration at AASTMT

[Center for Innovative Media and Marketing-Alexandria / AASTMT](#)



"Arab Women in Science" Platform at AASTMT Smart Village Campus

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School Visits and Open Days

The institution regularly hosts open days and school visits to introduce students to programs in fields such as engineering, maritime sciences, and artificial intelligence. These events aim to inspire young women to explore and pursue studies in these disciplines by offering them firsthand exposure to the academic environment, facilities, and career opportunities available in these areas.



"Towards a Green Sustainable Future" initiative School Visit to Ryada

MAY 25, 2023 AbuKir GENERAL

As the collaboration between Ryada and the AAST continues, we were privileged to host some of the very distinguished Academy professors who came to witness our students science projects and spread awarness about sustainable develeopment goals.

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



Visit from the Academy School of Alamein Branch

📅 MAY 02, 2023 📍 El Alamein GENERAL

[Student Affairs-El Alamein | AASTMT](#)



Series of the successful visits by school students: Zahraa Janaklis School

📅 DEC 29, 2023 📍 AbuKir GENERAL

[College of Pharmacy-Alexandria | AASTMT](#)



The series of the successful visits by school students: visit from the students of the International School of the Academy

DEC 25, 2023 Abukir GENERAL

[College of Pharmacy-Alexandria | AASTMT](#)

Mentorship Programs

Female students and alumni actively participate as mentors, sharing their personal experiences and achievements to motivate and guide prospective applicants. Their stories provide real-life examples of success, helping to inspire confidence and encourage more young women to pursue similar academic paths.



Empower Women In STEM Sectors In Egypt

In response to addressing the gender gap and helping Egypt tap into a larger talent pool, essential for economic growth, the project EmpowerHER will invest in women's education and the development of a highly skilled workforce in STEM to address the gender gap helping Egypt tap into a larger talent pool.

- ✓ Training Programs: Empowering Women for STEM Success
- ✓ Mentorship Hub: Guiding Women in STEM to Leadership
- ✓ Interactive Resources: Building Innovation & Entrepreneurial Skills
- ✓ Career Support: EmpowerHER STEM Networking & Job Opportunities

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EmpowerHER: Advancing Women In STEM Education & Careers

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Mentorship Hub: Guiding Women In STEM To Leadership

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Mentorship Hub: Guiding Women In STEM To Leadership

[Registration form for Mentees and Mentors](#)

[Mentorship Hub: Guiding Women in STEM to Leadership - EmpowerHER: Advancing Women in STEM Education & Careers](#)



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AASTMT Alumni Success Stories

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Every Graduate has a Story to tell



Salma Fawzy

The holder of the first master's degree in artificial intelligence from China.

Salma Fawzy, the first graduate of the Faculty of Artificial Intelligence at the Arab Academy of Science, Technology and Maritime Transport in Al-Jazan, holds the title of "the first graduate of artificial intelligence" to earn a master's degree from the depth of advanced Chinese experience. Salma Fawzy holds a B.S. in

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Nayra Nassar

The founder and CEO of "Self Brand"

Nayra Nassar, the founder and CEO of "Self", a self-care and wellness brand launched in February 2020, is a distinguished alumna of the College of Management & Technology. She earned her Bachelor's degree in 2018, specializing in Marketing through the Cardiff program. This strong academic foundation, coupled with her prior

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Rowida El Sharkawy

First Egyptian woman to work as a marine engineer in one of Saudi Arabia's leading companies.

Rowida El Sharkawy, an alumna of the College of Engineering & Technology, made history as the first Egyptian woman to work as a marine engineer in one of Saudi Arabia's leading companies. She graduated in 2023, marking a significant milestone in her career and for women in the maritime industry.

[Read The Full Story](#)



Dr. Hala Zayed

Former Minister of Health and Population & Regional Director for the Middle East and North Africa (MENA) Region at ACCESS Health International.

Dr. Hala Zayed is a prominent Egyptian figure with a background in medicine and extensive experience in public health leadership. She served as the Egyptian Minister of Health and Population and is now the Regional Director for the Middle East and North Africa (MENA) at ACCESS Health International. She is

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[AASTMT Alumni-Alexandria | AASTMT](#)

Through Collaboration with Other Organizations:

Partnerships with NGOs and Community Groups

AASTMT partners with organizations that advocate for women's education to expand outreach efforts and increase female participation in academic programs. These collaborations help raise awareness, provide support, and create more opportunities for women to engage in fields where they have been historically underrepresented.



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Between
Strategic Women and Youth Institute (SWYI)
And
Arab Institute for Leadership Development
Arab Academy for Science, Technology and Maritime Transport

The Arab Institute for Leadership Development at the Arab Academy for Science and Technology and Maritime Transport (AALST), Egypt
Main branch located at Giza/ Abd el Nasar Street, Maza, Alexandria, Egypt. Represented by Dr. Hossam Gouda - Dean of the Arab Institute for Leadership Development, Hereinafter referred to as "Arab Institute for Leadership Development- AILD"

AND

Strategic Women and Youth Institute (SWYI)
Main branch located at SWYI Bldg, Plot 27 Block 74 Demasrat Alsharbia City Street, Lekki Phase I
Lekki - Lagos Nigeria, West Africa. Represented by Mrs. Blessing Eusebio - Vice Chair. Hereinafter

AAST Collaboration The Strategic Women And Youth Institute

NOV 06, 2024 AbuKir GENERAL

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Regional and National Campaigns

Initiatives like workshops and conferences, organized in partnership with government agencies and international universities, aim to challenge stereotypes and encourage women to pursue studies in fields where they are traditionally underrepresented. These programs provide knowledge, mentorship, and exposure, helping to empower women to confidently explore new academic and career opportunities.



The International Day of Women and Girls in Science Celebration at AASTMT

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[Center for Innovative Media and Marketing-Alexandria | AASTMT](#)



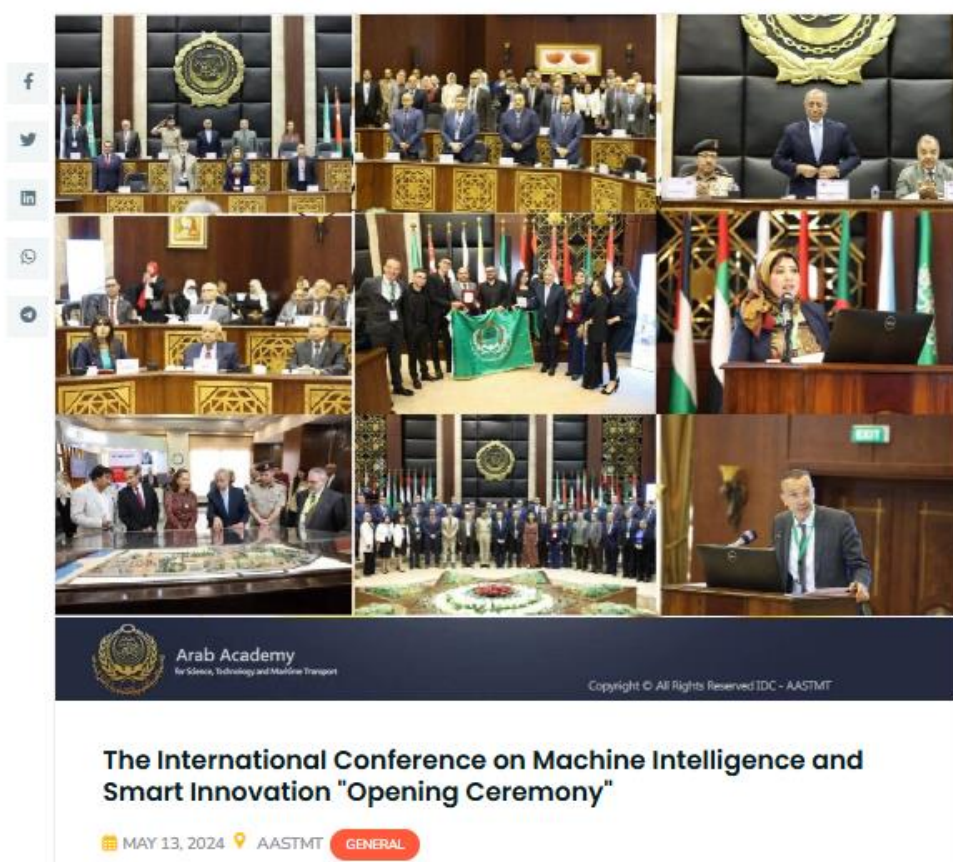
International Conference GENDERCOM 2023

NOV 10, 2024 Miami GENERAL

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Women in Maritime and Logistics: Challenges & Growing Opportunities

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Joint Programs with Universities

Initiatives like workshops and conferences, organized in partnership with government agencies and international universities, aim to challenge stereotypes and encourage women to pursue studies in fields where they are traditionally underrepresented. These programs provide knowledge, mentorship, and exposure, helping to empower women to confidently explore new academic and career opportunities.



The 2024 International Conference on Machine Intelligence and Smart Innovation (ICMISI 2024)

by: Arab Academy for Science, Technology and Maritime Transport | AASTMT Campus
CONFERENCE

12-14 May 2024, AASTMT Alexandria Main Campus, Alexandria, Egypt. The 2024 IEEE International Conference on Machine Intelligence and Smart Innovation (ICMISI 2024) organized and hosted by Arab Academy for Science, Technology and Maritime Transport AASTMT, is set to be an exciting gathering of minds in the fields of Artificial Intelligence, Machine Learning, Biomedical Engineering, and Smart Innovation. With a focus on both theoretical foundations and practical applications, the conference will provide a platform for researchers and practitioners to share cutting-edge developments. Attendees can expect to broaden their knowledge in emerging areas of research and engage with experts from academia and industry on the latest advancements in AI technology. From revolutionizing manufacturing to transforming healthcare, AI is reshaping industries worldwide, and ICMISI 2024 will be at the forefront of showcasing these innovations. Join us at ICMISI 2024 for a glimpse into the future of AI and machine intelligence.

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EmpowerHER: Advancing Women In STEM Higher Education And Careers

Research Project EmpowerHER: Advancing Women in STEM Education & Careers EmpowerHER: Advancing Women in STEM Higher Education And Careers

EmpowerHER Project Is A Key Project Within Going Global Partnerships Program, Gender Equality Partnerships Grant Funded By The British Council, United Kingdom, And Egypt.

The project aims to:

- Address gender inequality in STEM fields: By empowering women graduates and promoting inclusivity. The project seeks to provide women graduates in STEM with the skills, resources, and networks they need to overcome barriers and thrive in their careers.
 - Promote innovation and technological advancement: The project not only address the gender gap but also help Egypt tap into a larger talent pool, which is essential for economic growth. STEM fields are at the forefront of innovation. The project will stimulate innovation and technological advancement in Egypt by encouraging more women to pursue STEM careers, which can drive economic growth as new technologies and ideas are developed and commercialized.
 - Enhance financial stability of women and help narrow the gender income gap: By investing in the project EmpowerHER has the potential to significantly contribute to economic development and social welfare in the country. It will increase the participation of women in the workforce, particularly in high-demand STEM sectors. The project will contribute to the development of a highly skilled workforce. It can attract foreign investment and encourage the growth of domestic industries that require a well-educated and skilled workforce. Promoting women's careers in STEM can help narrow the gender income gap. Women can contribute more significantly to household income by having equal access to high-paying STEM jobs. This financial stability can improve the overall well-being of families and communities. Countries that invest in STEM education and careers are often more competitive on the global stage. As Egypt produces a more substantial number of STEM professionals, it can become a more competitive player in the global knowledge economy.
 - Extend to community development: The project's activities will extend to community development efforts, such as STEM education programs for underprivileged areas. It can uplift marginalized communities, reducing poverty and improving overall social welfare. Egypt will benefit from increased research and development in STEM fields, leading to advancements in various sectors, including healthcare, agriculture, and renewable energy. These advancements can improve the quality of life for Egyptian citizens.
- The 'EmpowerHER' project can potentially create a ripple effect that positively impacts Egypt's economic development and social welfare by promoting gender equality, fostering innovation, and nurturing a more skilled and inclusive workforce. However, the project's success will depend on effective implementation, continued support, and collaboration among government, academia, and private sector stakeholders. In the United Kingdom, the project's efforts to support women graduates in STEM will contribute to a more diverse and skilled workforce. This diversity will lead to increased innovation, better problem-solving, and enhanced creativity in various industries. By fostering cross-cultural collaboration between the UCLan-UK and AASTMT-Egypt, the project will promote global understanding and create networks of empowered women professionals who can share knowledge and experiences. This exchange of ideas will contribute to more effective solutions to global challenges and create opportunities for international partnerships.

[EmpowerHER: Advancing Women in STEM Higher Education and Careers - EmpowerHER: Advancing Women in STEM Education & Careers](#)
[EmpowerHer platform](#)

EmpowerHer project with Uclan University, U.K

The project aims to foster innovation and technological progress in Egypt by encouraging women to pursue careers in STEM, recognizing their potential to drive economic growth. By investing in women, the initiative seeks to support the development and commercialization of new technologies and ideas. Key goals include building a highly skilled workforce, attracting foreign investment, and stimulating the growth of Egypt's domestic industry, all of which rely on a well-educated and experienced talent pool. Additionally, the project strives to create a more inclusive and supportive environment for women in STEM, ensuring they have the resources and opportunities needed to succeed.