Arab Academy for Science, Technology & Maritime Transport

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Report 2024 / 2025

SDG 4

Our Aim in 2024 -2025

- Provide free learning opportunities, certificates and selected digital resources to people beyond the enrolled student population.
- Expand public educational events, including lectures, conferences, workshops and community learning activities.
- Deliver programmed and ad-hoc vocational training aligned with workforce and industry needs.
- Reach schools, young learners, refugees and other external communities through educational outreach.
- Strengthen partnerships with professional bodies, civil society and international organizations.
- Document eligibility, access arrangements, dates and supporting evidence for each activity.

THE Impact Ranking Scores 2023-2024



SDG 4

QUALITY EDUCATION



Key Milestones in 2024-2025

AASTMT documented lifelong-learning provision across technical education, professional development, public scientific engagement and community outreach. The evidence shows contributions by academic colleges, the Regional Informatics Center, the Industry Service Complex, the Technical and Vocational Institute, the Productivity and Quality Institute and student organizations.

Free Learning and Access

- Four free artificial-intelligence workshops were launched with Bibliotheca Alexandrina, with participation certificates offered.
- The Hands-on Electronics for Kidzineers workshop involved 40 children aged 8–10.
- Five SME digital-transformation courses reached 60 trainees between February and April 2025, with Caritas Egypt cooperation and International Labour Organization funding.

Public Engagement and Outreach

- The public-events dossier contains 36 grouped entries covering scientific conferences, lectures and educational activities.
- The outreach dossier reports 93 entries spanning school engagement, robotics, informatics competitions and community training.
- Reported outreach reach includes approximately 85,000 Beaver Egypt participants and more than 8,000 participants across the ECPC competition cycle; these are distinct programme measures.



Public learning and technical education activities

Lifelong Learning Programs

Professional and Vocational Development

The Academy's specialist institutes deliver programmed and ad-hoc learning in healthcare governance, quality management, technical skills, safety and digital transformation. The vocational-training dossier reports more than 100 activities across the wider institutional provision. Its institutional totals include historical cumulative reach and should not be interpreted as 2024–2025 attendance.

- Healthcare and Hospital Governance Professional Diploma invitation (January 2025).
- Patient Safety workshop delivered by the Productivity and Quality Institute (October 2024).
- Graduation of the second GAHAR EGYCAP healthcare-accreditation cohort (May 2025).
- Digital transformation for small and medium enterprises: five courses and 60 trainees (February–April 2025).

Inclusive Workforce Learning

Partnerships with Caritas Egypt and other development organizations supported technical and vocational training for refugee and underserved communities. The public-resources evidence includes occupational safety training for 43 Sudanese participants, and a memorandum of understanding with Caritas Egypt to support refugee training.



Professional and vocational training activities

Public Access to Educational Resources

Free Courses Leading to Certificates or Awards

Documented examples include artificial intelligence, electronics, robotics, engineering and programming activities. The free AI workshop series was organized with Bibliotheca Alexandrina; the Electrical and Control Engineering Summer Camp included four practical workshops and participation certificates.

Access to Campus Facilities and Equipment

External learners can access selected libraries, laboratories and specialized equipment through organized activities and applicable access arrangements. AASTMT Libraries & Information Services Center reports 12 branches, more than 90,000 printed books, access to over 223,000 electronic journals and 150,000 e-books. External library visits require an official institutional or organizational request; access is not unrestricted.

Open Online Resources

The source dossier reports an open-access collection of 31,710 resources, an AAST E-Learning channel with 99 videos and more than 240,000 cumulative views, and a Robotak initiative with over 32,600 subscribers. These are cumulative platform measures, not annual unique learner counts. Subscribed databases remain subject to their own access conditions.



Practical educational access and hands-on learning

Community Engagement and Public Events

The 4.3.2 dossier groups 36 public-facing lifelong-learning entries across scientific conferences, public lectures, professional workshops and related educational activities. Examples include:

- 14th International Maritime and Logistics Conference (MARLOG 2025), February 23–25, 2025.
- International Conference on Machine Intelligence and Smart Innovation (ICMISI 2025), May 10–12, 2025.
- 34th International Conference on Computer Theory and Applications (ICCTA 2024), December 14–16, 2024.
- Fourth Marine and Offshore Industry Assembly, December 23, 2024.



Public academic and community engagement event

Educational Outreach Beyond Campus

STEM, Informatics and Robotics

The 4.3.4 evidence dossier reports 93 education-outreach activity entries. Its Regional Informatics Center activities include RoboCup Egypt 2025 (April 16–19, 2025) and selection rounds for the International Olympiad in Informatics 2025 (January 24–25, 2025). The Kidzineers electronics workshop offered practical STEM learning for schoolchildren.

Schools and Community Beneficiaries

Outreach included school visits, competitions, external professional education, and training with community partners. The evidence reports approximately 85,000 Beaver Egypt

participants and more than 8,000 participants across the ECPC competition cycle. These figures refer to separate programmes and are not added together here.

Partnerships and Access

AASTMT worked with schools, professional organizations and civil-society partners. The scope of participation varies by activity; programmes for selected schools or beneficiary groups should be described as targeted outreach rather than universally open public access.



Robotics and youth educational outreach

Inclusive Education and Participation

The evidence describes education for external learners and targeted beneficiaries, including schoolchildren, professionals, refugees and participants seeking digital and technical skills. Collaborations with Caritas Egypt, UNHCR, GIZ and other partners are reported in the public-resources and vocational-training materials.

Women In Science and Learning Networks

AASTMT's partnership with UNESCO's Regional Office for Egypt and Sudan supports the Arab Women in Science (AWSci) platform. The platform offers peer mentorship and coaching, while its Community Knowledge Bank gives registered members access to scientific publications.

Evidence Interpretation

Participation figures, online views, subscribers, library holdings, institutional historical totals and the number of activities measure different dimensions of educational provision.



Participants in education outreach activities

Priorities for the Next Reporting Cycle

- Continue to document free public learning opportunities and distinguish them from activities with eligibility or registration restrictions.
- Record programme dates, participant groups, completion status and certificate availability consistently.
- Maintain accessible evidence links for each public event, training activity and outreach programme.
- Expand partnerships that provide practical learning to external and underserved groups.

Evidence at a Glance

Indicator	2024–2025 Coverage
Public resources	Free certificate activities; access to learning facilities; open online resources
Public events	More than 35 grouped public-facing lifelong-learning entries
Vocational training	More than 100 activities reported across wider institutional provision
Education outreach	More than 90 reported activity entries, including recurring and one-off programmes