

1.4.3 Programs for services access

The Arab Academy has provided a variety of training courses and programs to improve access to basic services to eradicate poverty in all its forms everywhere in the Academic year 2023/2024. Those training courses and programmes aim to provide direct access to services for the community.

Expansion of collaboration between AASTMT and Fortinet (Global Cybersecurity Company)



In May 2024, the Arab Academy for Science, Technology and Maritime Transport (AASTMT) expanded its collaboration with Fortinet, a global leader in cybersecurity solutions, to strengthen students' access to industry-recognized digital skills. The initiative introduced Fortinet Network Security Expert (NSE) certification courses, established a cybersecurity laboratory on campus, and provided free exam vouchers and training workshops to students within the Faculties of Engineering and Computer Science.

By offering globally accredited certifications at no additional cost, this partnership directly supports SDG 1 (No Poverty) by removing financial barriers to high-demand professional qualifications and enhancing the employability and income-generating potential of students, particularly those from low-income backgrounds. Through the creation of equitable access to digital education and workforce-ready skills, AASTMT contributes to poverty reduction by fostering inclusive economic opportunities in Egypt's growing technology sector.

[AASTMT New Cooperation Agreement](#)

Memorandum of Understanding: Institute of Technical and Professional Studies and Caritas Egypt



On 29th April 2024, A Memorandum of Understanding was signed between the AASTMT – Institute of Technical and Professional Studies and Caritas Egypt to provide training courses for refugees. This partnership reflects the Academy's commitment to social responsibility and human development by offering technical education and vocational training programs that empower the most vulnerable groups and support sustainable development efforts.

Training Courses Offered by the Institute of Technical and Professional Studies – Industrial Service Complex in Collaboration with Caritas Egypt:

- Occupational Safety and Health for Construction Industries (according to OSHA Standards – USA)
- Scaffold Safety (according to OSHA Standards – USA)
- Working at Heights
- First Aid, CPR, and Automated External Defibrillator (AED) for Industrial Facilities
- Cranes, Lifting, and Rigging Operations (according to OSHA Standards)
- Automotive Fault Diagnosis
- Electrical Maintenance for Factories
- Heating, Ventilation, and Air Conditioning (HVAC) Systems
- Digital Transformation for Small and Medium Enterprises (SMEs)
- Electrical Equipment Maintenance
- Fundamentals of Solar Energy Systems and Off-Grid System Design

Memorandum of Understanding: Institute of Technical and Professional Studies and Caritas Egypt

Collaboration with the United Nations High Commissioner for Refugees (UNHCR)



On 10th June 2024, The United Nations High Commissioner for Refugees (UNHCR) and the Arab Academy for Science, Technology and Maritime Transport launched a joint initiative titled “*Bridge of Hope*”, aimed at empowering refugees by providing scholarships to pursue a bachelor’s degree. This initiative reflects the commitment of both the Academy and UNHCR to promoting the values of *humanity and solidarity*, creating inclusive learning environments, and facilitating sustainable solutions that enable refugees to build a better future through education.

Training courses:

- Automotive Mechanical Maintenance – UNHCR
- Home Appliances Maintenance – UNHCR
- Occupational Safety and Health according to OSHA Standards (USA) – UNHCR
- Carpentry Basics – UNHCR
- Electrical Equipment Maintenance – UNHCR
- Home Electrical Maintenance – UNHCR
- Gas and Arc Welding – UNHCR
- Air Conditioning Equipment Maintenance – UNHCR
- Operation and Programming of CNC Machines

Collaboration with the United Nations High Commissioner for Refugees (UNHCR)

Community Service and Continuing Education Programmes during 2023/ 2024

The Community Service and Continuing Education Sector at the Arab Academy for Science, Technology and Maritime Transport (AASTMT) represents a core component of the institution's social responsibility and its contribution to SDG 1: No Poverty. Through the Center for Adult and Continuing Education, AASTMT offers a wide range of professional, technical, and personal development programs to the public, with discounts exceeding 50% to ensure affordability for learners from low-income and marginalized backgrounds. These non-degree, non-credit courses equip individuals of all ages with practical, career-oriented skills that enhance employability and income-generation capacity across diverse sectors in Egypt and the Arab region. By facilitating lifelong learning and human capital development, AASTMT's continuing education programs directly support poverty reduction through skills empowerment, social inclusion, and equitable access to education and training opportunities.

Activities/ Events (public lectures, workshops, training courses, conferences and webinars) in Entrepreneurship, Creativity, Innovation and Technology during the Academic Year 2023/ 2024			
Activity/ Event	Link	No. of Courses	No. of Participants
Digital Marketing Seminar	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200102	14	441
Workshop for English Language Instructors	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200101	11	378
Data Analysis Seminar	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200145	7	412
Programming Courses JAVA – PHP- PYTHON	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200125	12	230
IT Technical Support Seminar	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200149	5	80
TOT Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200040	9	150
Leadership Skills Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200146	4	115

Community Service Activities during the Academic Year 2023/ 2024			
Course	Link	No. of Courses	No. of Participants
English Language Courses for University Students	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200101	132	1794
Microsoft Office Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200133	71	1491

English Language Courses for Young Learners at School	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200115	8	670
English Language Courses for Young Learners at Sports and Social Clubs	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200115	8	552
PMP Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200109	11	149
Primavera Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200127	3	31

Training Courses/ Programmes for Access to Basic Community Services			
Course	Link	No. of Courses	No. Participants
English Language Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200101	388	6032
Microsoft Office Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200133	71	1491
English Language Courses for Young Learners	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200115	410	6490
Programming Courses for Adults	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200125	16	270
Programming Courses for Young Learners	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200116	29	483
Business Administration Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200104	11	392
Digital Marketing Courses	https://aast.edu/en/deaneries/csp/alex/contenttemp.php?page_id=39200102	16	340

Please visit the [Community Service and Continuing Education](#) site to know more.

Continuing the Professional Diploma for Mellitah Gas Company - Productivity and Quality Institute



Continuing the series of training programs provided by the Productivity and Quality Institute proposed under the diploma program "Administrative and Supervisory Skills, Professional Diploma," in conjunction with Mellitah Oil and Gas Company, a training course was held titled "Personal Effectiveness in Organizational Development" by Dr. Moustafa El Mokadem on 24th April 2024. This diploma provides individuals with the knowledge and experience necessary to effectively manage administrative tasks and supervise teams within different organizations. By focusing on personal effectiveness within the context of organizational development, this diploma also equips individuals with the skills and mindset needed to thrive in dynamic and rapidly evolving workplaces.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486102317&event_type_id=13

"First Aid" Training Course for Inci Flex Egypt - Productivity and Quality Institute



The PQI training department succeeded in offering a 2-day first aid training course to Inci Flex Egypt for Industrial Trade Company by Dr. Tarek Abdel Latif on 18th April 2024.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486102270&event_type_id=13

Total Quality Management course for EZZ El-Dekheila Company - Productivity and Quality Institute



The Productivity and Quality Institute assisted EZZ El Dekhila Company to enhance its industrial quality management system through a "Total Quality Management" training course with Dr. Tarek Awad on 28th March 2024. By embracing a holistic approach to quality management, the company can continuously strive for excellence and meet the evolving needs of their customers.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486102213&event_type_id=1

Integrated Management Systems consultancy/training for Trans Misir Company - Productivity and Quality Institute



The Productivity and Quality Institute signed a contract with Trans Misr Company on 10th March 2024 to manage and operate stations in the free zone. The goal is to create and execute an integrated management system that satisfies international standards ISO 9001, ISO 14001, and ISO 45001, which was fulfilled through our Consulting team expert guidance. The cooperation aims to augment the effectiveness of management and elevate the caliber of services rendered in the free zone, while also boosting the degree of safety and security inside the operational setting. This collaboration shows both sides' dedication to excellence and ongoing improvement and is anticipated to have a major positive influence on the region's productivity and quality processes.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486102065&event_type_id=1

Administrative and Supervisory Skills Professional Diploma Program - Productivity and Quality Institute



Mellitah Oil and Gas Company are one of the biggest national oil and gas companies in Libya, and PQI is excited to be partnered with them. In February 2024 PQI conducted the first program to train the senior management cadres at the institute's headquarters in Alexandria, to provide designed training programs that meet the needs of Mellitah Company. The series of training programs proposed within the diploma aim to enhance the technical and professional capabilities of the company's employees, contribute to improving its overall performance, and develop human resources in the energy sector. A chosen team of academics with diverse specializations supervises the implementation of these programs.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486101997&event_type_id=1

Quality and Safety of Food Industries” Professional Diploma Program (Wave 3) - Productivity and Quality Institute



In February 2024, the third wave of Quality and Safety of Food Industries Professional Diploma Program was effectively executed in collaboration with the Agricultural Syndicate, in the presence of Dr Sobhy Sallam -Head of Agricultural Syndicate- and Dr Mostafa Elsayed - PQI consultancy team. Graduates of the diploma are equipped with practical skills and techniques to implement management systems as well as the necessary skills to ensure compliance with food safety regulations and standards, conduct food safety audits and helping organizations to avoid fines, and reputational damage.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486101968&event_type_id=1

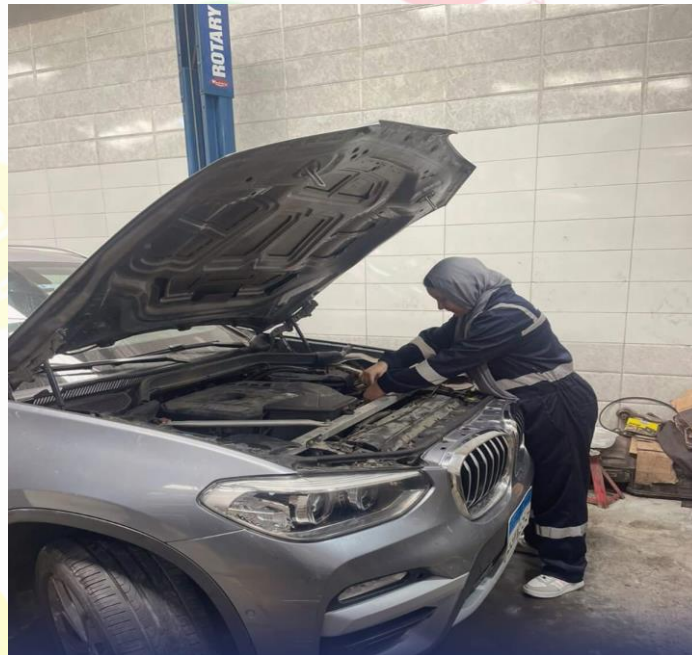
General requirements for the competence of testing and calibration laboratories Course for SIDPEC - Productivity and Quality Institute



A five-day training course for a distinguished company employee of Sidi Kerir Petrochemicals Company (SIDPEC) was held by Dr. Tarek Awad on 17th March 2024. The course was implemented to ensure the precision and dependability of laboratory results, ISO17025 is an international standard that outlines technical competency requirements for testing and calibration laboratories. It tackles several topics related to laboratory operations, such as technical specifications, quality assurance, management, and organizational structure.

https://www.aast.edu/en/institutes/pqi/news-details.php?language=1&view=1&unit_id=34&news_id=486102136&event_type_id=1

Mechanical Engineering Courses - Industry Complex Services



- Principles of Gas and Arc Welding
- Oxy-Acetylene Welding Technology and Electric Arc Welding
- Shielded/Inert-Gas Arc Welding (Argon Welding)
- Engineering Inspection Using Magnetic Particle Testing (according to ASNT Standards for Non-Destructive Testing)
- Engineering Inspection Using Liquid Penetrant Testing (according to ASNT Standards for Non-Destructive Testing)
- Engineering Inspection Using Non-Destructive Testing Methods (according to ASNT Standards)
- Engineering Inspection by Visual Testing (according to ASNT Standards for Non-Destructive Testing)
- Radiographic Testing (according to American Standards for Destructive/Material Testing)
- Ultrasonic Testing (according to ASNT Standards for Non-Destructive Testing)
- Principles of Hydraulics
- Advanced Hydraulic Circuits
- Pneumatic Control Systems
- Advanced Pneumatic Control Systems

- Principles of Hydraulics and Pneumatics
- Operation and Maintenance of Air Compressors
- Operation and Maintenance of Pumps
- Operation and Maintenance of Boilers
- Heating, Ventilation, and Air Conditioning (HVAC) Systems
- Automotive Fault Diagnosis
- Operation and Maintenance of Diesel Engines
- Maintenance of Plastic Injection Molds
- Plastic Injection Molding Technology
- Metalworking Technology – Turning
- Operation and Programming of CNC Machines
- **Inventor** Software Program
- Gas and Arc Welding
- Air Conditioning Equipment Maintenance
- Automotive Mechanical Maintenance
- Home Appliances Maintenance
- Home Electrical Maintenance
- Principles of Pneumatic Control Circuits
- CNC Machines Operation and Programming

Occupational Safety and Health Courses- Industry Complex Services



- Occupational Safety and Health for General Industries (according to OSHA Standards – USA)
- Occupational Safety and Health for Construction Industries (according to OSHA Standards – USA)
- Workplace Risk Assessment and Management
- Scaffold Safety (according to OSHA Standards – USA)
- Cranes, Lifting, and Rigging Operations (according to OSHA Standards)

- Fire Warden / Fire Marshal
- Working at Heights
- Accident Investigation
- Work Permits
- Emergency Planning and Crisis Management
- Working in Confined and Enclosed Spaces
- First Aid, CPR, and Automated External Defibrillator (AED) for Industrial Facilities
- Forklift Safety Program
- Occupational Safety and Health for Medical Centers (according to OSHA Standards – USA)
- “Managing Safely – IOSH”
- Professional Industrial Project Management
- Qualification of Industrial Facility and Production Workshop Management Specialists
- Firefighting for Oil and Gas Industries

Artificial Intelligence for Industrial Applications Courses - Industry Complex Services

- Introduction to Artificial Intelligence for Industrial Applications
- Python Programming for Industrial Applications
- Machine Learning for Industrial Applications
- Deep Learning for Industrial Applications

Digital Transformation and Manufacturing - Industry Complex Services

- Digital Transformation Strategy for Industrial Executives
- Industry 4.0 Technologies and Applications
- Change Culture and Management for Successful Digital Transformation in Industry
- Digital Industrial Applications in Lean Manufacturing
- Fundamentals of Digital Manufacturing using 3D Printing and CNC Machines
- Digital Transformation for Small and Medium Enterprises (SMEs)

Vocational Crafts - Industry Complex Services

- Carpentry Basics

Hospitality and Tourism - Industry Complex Services

- Introduction to Hospitality Industry
- Culinary Arts Fundamentals

Industrial Engineering - Industry Complex Services

- Measurement and Calibration Methods

Programmable Logic Controllers (PLC) - Industry Complex Services

- Siemens S7-200 PLC
- Siemens S7-300 PLC
- General PLC Applications

Electrical and Electronics Maintenance - Industry Complex Services

- Electrical Maintenance for Factories
- Electronic Maintenance for Factories
- Principles and Applications of Digital Circuits
- Arduino-based Control Principles
- Design, Implementation, and Maintenance of Electronic Circuits
- Cable Laying and Electrical Connections

Mechatronics and Robotics - Industry Complex Services

- Principles of Mechatronics
- Advanced Mechatronics Systems
- Robotics Basics for Beginners
- Microcontrollers for Robotics Applications
- Embedded Systems
- Advanced Embedded Systems: Real-Time Operating System Design
- Electrical Equipment Maintenance

The Institute of Technical and Vocational Studies at the Industry Service Complex

Courses provided by Arab Institute for Leadership Development (AILD) during 2023/ 2024

Believing in the importance of leadership in all industries, situations and across all levels, the Arab Institute for Leadership Development (AILD) - in partnership with the world's best institutions and distinguished experience in the field - is dedicated to promote the best practices of leadership through offering post-graduate educational programs, specialized training courses and consulting services, and the implementation of projects that serve corporate, governmental and community development sectors, aligning with the global sustainable development goals.



The Arab Institute for Leadership Development offers more than 40 training programs for companies and private and governmental bodies to improve their work system. The Institute has provided more than 50 training programs for more than 1,000 trainees in addition to the specialized program for leadership preparation that was presented to bodies such as the Egyptian Navy, the Ministry of Defense, and the Arab Organization for Industrialization.

1. Leadership and Organizational Behavior
2. Effective Leadership Management
3. Personal Leadership Development
4. Strategic Leadership
5. Leading for Excellence and Equity
6. Negotiation and Leadership Communication
7. Entrepreneurship: Creating and Leading an Entrepreneurial Organization
8. Strategies for Competitive Advantage
9. ICT Knowledge and Skills
10. Innovative Decision Making
11. Leadership in Higher Education
12. Executive Leadership
13. Fighting corruption
14. Corporate Governance
15. Public Policy
16. Internationalization of Organizations
17. Women in Leadership
18. HR Revolution
19. Leading Security Challenges and Crisis Management
20. Leading Innovation and Change
21. Culture and Innovation Management
22. Essence of Leadership

[Arab Institute for Leadership Development](#)