

AASTMT Educational Resources

- 1) The Libraries & Information Services Center at AASTMT play a major role in supporting educational activities and enriching the academic life. The Center serves the academic community in all of its 14 branches in Egypt and at the Arab world branches. In Egypt, at Abu-Qir main campus in Alexandria, there is the Main Library, the Architecture Library, and the Maritime Library. AT Miami campus in Alexandria, there is the Management Library and the Graduate School of Business Library. At Sheraton campus in Cairo, there is the Engineering Library, the Graduate School of Business Library, and the Management & Logistics Library. At Dokki premises in Cairo, there is the Management & Logistics Library. There is one main library at Port Saeed Campus, at the Smart Village premises, at Wabour Elmaya premises, and at Ganoub Elwadi camps. There are libraries at Latakia - Syrian Arab Republic branch and Sharjah- UAE branch.

The libraries are all connected through online interactive terminals to ensure easy access to the centre's in-house database. In order to offer a distinguished information service, the Centre established an integrated information system that facilitates direct search through a computerized catalogue and electronic databases.

The Libraries & Information Services Center at AASTMT provides its **free on-line access** to its services for the public through access to its website <http://www.aast.edu/en/research/>.

The public have open access to digital material including books, research, thesis and E-Journals through the link <http://openaccess.aast.edu/quicksearch.aspx>

In case of physical visits to the library, the outside visitors shall present an official letter from educational institutes, industrial organizations, etc., addressed to AASTMT requesting to visit a library branch where they can copy the documents they accessed on line.

- 2) The Marine Education and Training at AASTMT is the oldest and most powerful sectors at AASTMT. It offers **charged educational and training services** to the community on a variety of platforms:
 - a) The Maritime Certificates Renewal Administration is affiliated to the the Academy's Maritime Sector. It is in charge of dealing with marine officers, masters, and engineers interested in having their marine certificates renewed. The Administration provides a one-window service for marine officers, masters and engineers who are interested in having their marine certificates renewed through the provision of:
 - i) Registration for mandatory training sessions necessary for renewal of marine certificates
 - ii) Issuing payment of fees document for attending these mandatory training sessions
 - iii) Providing banking service for payment of the said fees
 - iv) Awarding accredited certificates to those who successfully attended the said training sessions
 - v) Preparing for holding renewal of marine certificates sessions outside the Academy's headquarters
 - b) The maritime safety institutes offers training to officers and engineers working onboard all types of ships. Courses are offered for all levels of officers and engineers according to STCW 95 requirements and conforming to Quality standards of education ISO 9001:2008.

- c) The Maritime Safety Institute offers courses to international regulations in the maritime industry & its reflection on the management of shipping & offshore companies as well as personal working on-board ships & offshore installation.
- d) Specialized Maritime Courses that responds to the continuous amendments to international regulations in the maritime industry and its reflection on the management of shipping and offshore companies as well as personnel working onboard ships and offshore installation, and to the need to follow up and implement these regulations, the MSI covers such need by offering specialized programs and courses.
- e) The maritime safety institute offers training and education for personnel working in the offshore industry onboard oilrigs and platforms in accordance with the IMO regulations and OPITO standards.
- f) Marine Simulators System (MSS) are an integral part of Integrated Simulators Complex (ISC) of AASTMT. Marine simulators represent critical elements for the preventing of marine disasters and pollution, equipped with sophisticated facilities of high capabilities which are able to simulate numerous realistic situations and conditions sufficient for a wide variety of effective training and covering several applications and courses in a wide range of Maritime Education Training and port operations for Masters and deck officers, Harbour pilots, Tug master, VTS operators and manager and to Search and rescue offices.
- g) Environmental Protection courses at Simulator is designed to fulfill the requirements for Crisis and Disaster Management using the Incident Command System (ICS) as a management adhoc organization. The system was established, developed, and used in Canada, United States, and Europe. The Crisis and Disaster Management Simulator is a complete, fully automated system used for training & managing real-time emergency response dealing with a variety of natural and man-made crisis according to a pre-designed contingency plan.
- h) Global Maritime Distress and Safety System (GMDSS) Simulator courses established in 1996, which is a Computer Based Training (CBT) system that incorporates the latest virtual touch screen technology to enable the student to act out simulated distress and routine situations, which cannot be conducted onboard to avoid false distress alerts. For more reality and integration, the system contains a complete set of real GMDSS equipment. The simulated communications equipment accurately replicate the GMDSS's functions that meet the requirements of the International Convention on Standards of Training, Certification and Watch keeping for seafarers (STCW-1978) and its amendments that is set by the IMO. The GMDSS simulator consists of eleven dual stations that are connected to each other, to the Full Mission Ship-handling Simulator (FMSS)'s GMDSS station and to the complex through Local Area Network (LAN) for data exchange and voice communication. All of these are supported by a highly equipped classroom. The Complex has been issued the ISO 9001 by the Det Norske Veritas (DNV) classification Society. In the beginning the simulator was composed of 8 stations and has been increased to 11 stations to accommodate a larger number of students and also establishing a new one with total of 22 stations to accommodate the increase of trainee numbers and to comply with international agreements and requirements of quality.
- i) Natural Gas & Petrochemicals courses at Simulator introduces new training methods to supplement the traditional methods on board training. The liquid Cargo operations simulator provides real time simulation of the process Flow Control Systems used in storage

and transfer of potentially hazardous bulk liquid from shore to ship and ship to shore. The Simulator allows a range of courses to be offered which are presently applicable to both ship and shore involved in handling of LNG, LPG, Crude oil, oil Products and Chemical Cargoes.

- j) Meteorology & Hydrographic Survey courses has been an active area of science at AASTMT. Furthermore, renewed considerable interest in meteorology has revived recently primarily because of the growing awareness of the risk of significant changes in the Earth's weather and climate change.
 - k) Diving courses is considered one of the main activities and jobs in the offshore and inshore industries. Offshore industry is one of the most important economical sources around the world. Diving is also considered a main branch in several activities, including, but not limited to, civil engineering works, harbor works, tourism, etc.
- 3) Industry Service Complex (ISC) has a Training Department to serve industrial entities and individuals, by conducting concise and long training programs with charge, which are designed in cooperation with the companies' training departments either in the companies or at our workshops. By the end of the training programs, trainees are certified from SQA or Pearson, which accredit TVI's programs.
- One of the most important and common training programs is welding under water in cooperation with Industry Training Council. The training was provided for 150 trainees in Alexandria, Ismailia and Port Said. We were also the pioneers in training the first two females in the Middle East.
- The ISC also has a Logistics and Marketing Unit which is responsible for providing all the success elements for any professional training in cooperation with the companies' administrations.
- 4) College of Engineering and Technology offers a set of charged workshops and training courses to the public.
 - 5) Productivity & Quality Institute "PQI", concluded a protocol with the Egyptian Ministry of Health to train 57 calibre for "Application of Quality Systems and Hospitals accreditation". The programs were charged at cost value to cover training at 5 different governmental hospitals across Alexandria.
 - 6) Faculty of computing and information technology offers a **charged** EC-Council diploma ,
 - a) First semester: CND +ECSS
 - b) SECOND SEMESTER: CEH+ECES
 - c) THIRD SEMESTER: ECSA+CHFI
 - 7) AASTMT offers certificate exams for Authorized EC-Council Testing Center Exam Policy and Rule Agreement. Certificates Offered :
 - a) EC-Council Certified Security Specialist
 - b) EC-Council Certified Encryption Specialist
 - c) Certified Network Defender
 - d) Certified Ethical Hacking
 - e) Computer Hacking Forensic Investigator
 - f) Advanced Penetration Testing and Security Analyst (ECSA/LPT)
 - 8) AASTMT hosts physical **free charged sessions** for Next Technology Leader (NTL) innovation, where students from different universities are invited to join. **Next Technology Leaders, NTL**, courses are provided by prestigious universities in collaboration with industry leaders. Courses are available through Massive Open Online Courses, MOOCs, such as **Coursera, edX, and Udacity**. The **NTL** initiative offers you a grant to develop individual technical skills by means of these learning tracks. <http://techleaders.eg>

- 9) The Community Service and Continuing Education is an integral part of AASTMT. Their programs are committed to the principle of Clearing is a lifelong process. Their activities make a direct contribution to the education and well-being of Egyptian and the Middle East community. It is the social corporate responsibility sector at AASTMT where it **provides charged serves at cost** to serve the community at large:
- a) The Centre for Adult and Continuing Education is considered to be one of the most highly acclaimed training centres directed to aid the companies and business organizations in Egypt and the Arab World. It has been successful in reaching the highest level of proficiency and efficiency.
 - b) Training programs that prepare trainees in various work fields and different managerial levels, to enable them to develop adequate and move precise managerial and technical policies so that their organizations can become more competitive and adaptable to market changes. The Programs are established to provide general education and career-oriented courses to the public, as well as to public and private organizations, companies and entities seeking human resource enrichment for their employees.
 - c) Training programs offered to the public at all ages to participate in non-credit, non-degree, professional training programs and personal enhancement courses in a variety of formats, specifically designed to meet the needs of both local and expatriate learners.
 - d) The programs provided covers the following tracks:
 - i) Language Programs: English Language, Conversation, English Conversation Levels 2, Elementary levels, Pre-Intermediate levels, Intermediate levels, Upper-Intermediate levels, Advanced levels, Business English, English language Teaching Methodology, French Language, Italian Language.
 - ii) International Programs: CIM Certification, Certified Management Accountant CMA, Project Management Professional (PMP) (Exam Preparation), IFRS
 - iii) Professional Programs: Professional Certificate in Business Administration, Professional Certificate in Human Resources, Professional Certificate in Sales & Marketing, Mini Certificate in Sales & Marketing, Essentials of Marketing, , consumer behavior, Personal Selling, Negotiation Skills, Professional Certificate in Digital Marketing, Investment in Stock Market Programs, Program Overview, Predicting trend prices using Data mining Classification Program, Using Data Mining Techniques for Predicting Trading Times (Stock Market), Using Data Mining Techniques for Predicting Global Marketing Price.
 - iv) IT Programs: Professional Studies, Geographic Information System, Mapping & Analyzing Programming, Remote Sensing, Professional Certificate in Multimedia, General Studies Microsoft Office Applications, MS- Word, MS-EXCEL, MS- Power Point, MS- ACCESS, Operating Systems & Networking, , Maintenance Courses, Programming Languages, Graphic Applications, Engineering Application, Oracle Application, A+, Commercial Applications.
 - v) Accounting Programs: Modern Accounting, Cost Accounting, Basic Modern Accounting, Intermediate Modern Accounting, Advanced Modern Accounting.
 - vi) Book Keeping Course
 - vii) Customized Programs: Interpersonal Skills & Self Development, Secretarial and Office Management Skills, Planning & Strategy Management.
 - viii) Summer School Programs
 - ix) Teacher Programs