

AASTMT Educational Resources

FREE COURSES LEADING TO CERTIFICATE OR AWARD

1) Arab Academy for Science and Technology and Maritime transport, Mu Beta Chapter

The Mu Beta Chapter was installed at Arab Academy for Science and Technology and Maritime Transport (AASTMT) Abu Kir Campus on April 29th, 2018. It is the first chapter in Egypt and Africa. The chapter consists of motivated undergraduate and graduate student working as volunteers. The aim of the Mu Beta Chapter is to instill the values and practices of the Eta Kappa Nu in our future engineers and provide them with the sense of fellowship and distinction in the fields of Electrical, Communications and Computer Engineering. Mu Beta Chapter also provides STEM outreach activities to Pre-University students through its Kidzineers program launched in 2020. **please check 4.3.1-Annex 1(Mu Beta Chapter) for more examples and evidences about free sessions and courses with certificates offered under Mu Beta Chapter-AAST for public**

<https://hkn.ieee.org/hkn-chapters/all-chapters/mu-beta-chapter>

2) The College of computing and information technology organizing the first workshop(3 days) in bioinformatics and computational biology **for public** in collaboration with prominent local and international organizations. The workshop will feature numerous scientific presentations and discussions on a wide range of academic and industrial applications of computational biology, as well as how bioinformatics can benefit human life and well-being. The Attendees got certificates of participation. **Please check 4.3.1-Annex 2(Bioinformatics Workshop)**

https://aast.edu/en/news.php?language=1&view=1&unit_id=1&event=6142&get_event_type=1

3) Productivity & Quality Institute “PQI”, conducted **a free workshop** entitled “ ISO 17025:2017 Requirements for Petrochemical Companies Laboratory Competence” for sidi kerir petrochemicals company. **please check 4.3.1-Annex3 (PQI-TVI)**

https://aast.edu/en/institutes/pqi/news.php?unit_id=34&language=1&page=26&event=188&get_event_type=1

4) Productivity & Quality Institute “PQI”, in cooperation with the Alexandria Kidney and Urology Hospital, hosted **a free workshop** in the field of infection control entitled “Innovative Prevention of Infection: Easy and Safe Practice” , in addition an actual attendance at the hospital in Alexandria on Wednesday and Thursday 11-12 August 2021. **please check 4.3.1-Annex3 (PQI-TVI)**

<https://www.facebook.com/pqi.alex.94/posts/pfbid025e8z12wqEc6wu3cdrFOsgFmgGthNHgrW2dMHJ1dNYWi3qX48wvyaqsiEXfZhsfUl>

5) Productivity & Quality Institute “PQI”, concluded a protocol with the Egyptian Ministry of Health to train calibers for “Application of Quality Systems and Hospitals accreditation”. The cover training at 5 different governmental hospitals across Alexandria. **please check 4.3.1-Annex3 (PQI-TVI)**

https://aast.edu/en/institutes/pqi/news.php?unit_id=34&language=1&page=27&event=186&get_event_type=1

- 6) Productivity & Quality Institute “PQI conducted **a series of free sessions** under Ramadan Quality
- 7) “Digital Transformation and Industry 4.0”- **please check 4.3.1-Annex3 (PQI-TVI)**

https://aast.edu/en/institutes/pqi/news.php?unit_id=34&language=1&page=25&event=191&get_event_type=1

- a. “Organizational Resilience and Business Continuity Management”- **please check 4.3.1-Annex 3 (PQI-TVI)**

https://aast.edu/en/institutes/pqi/news.php?unit_id=34&language=1&page=25&event=192&get_event_type=1

- b. Future Foresight: Approaches and Tools- **please check 4.3.1- Annex 3 (PQI-TVI)**
<https://www.facebook.com/pqi.alex.94/posts/pfbid0VdoaYrS4suwt5iVrbRv1Fc5Dvpgm1PHFmEovPpR992X4ogEeL9UQEBvPszR5sGMol>

- 8) 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 with discount exceeds 50%, it just take the :**

- 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

<https://aast.edu/en/deaneries/csp/alex/>

please check 4.3.1-Annex4(Community Services Program)

FREE ACCESS TO CAMPUS FACILITIES AND EQUIPMENT

- 9) 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 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:

https://aast.edu/en/sites/library/contenttemp.php?page_id=1600007

<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.

Please check 4.3.1-Annex 5 (Accessing Digital Content Using Open Access), and 4.3.1-Annex 6 (Libraries & Information Services Center)

FREE ACCESS TO ONLINE RESOURCES

- 10) The Robotak initiative is a collaboration between the Egyptian Ministry of Youth and Sports and the Arab Academy for Science, Technology, and Maritime Transport. In terms of coverage, this initiative is **national in scope and free grant** . The Goals include empowering young people between the ages of 7 and 17 with 21st century skills and teaching them to code and programme robots. **It all started in early 2020, during the height of the corona epidemic**. A combination of online and offline methods are used to provide the project's services. The online materials are made available via the YouTube channel of the Egyptian Ministry of Youth and Sports and the project's official Facebook page. There are both previously recorded and live sessions available online. The offline material is delivered in the form of all-day, hands-on boot camps. Every camp is a four-day experience. Six such camps have been set up in the towns of tenth of Ramadan, Aswan, Beni Suef, el Arish, and Alexandria.

The total number of **subscribers so far has exceeded 13,000 subscribers**, distributed over all governorates of the Republic, in addition to some Egyptians from Saudi Arabia, the United Arab Emirates and the United States of America. The project has two levels so far. Each level is divided into two parts according to the age of the participants. Work is in progress on the third level. The project aims to teach school students programming, robotics, twenty-first century skills and artificial intelligence.

The project is presented online on the official channel of the Ministry of Youth and Sports, and weekly meetings are held on the project's Facebook page. This is followed by the work of intensive practical camps in the governorates. Two practical camps have been held so far. **The first was in the Tenth of Ramadan City, and the final day was honored by His Excellency the Minister of Youth and Sports and His Excellency the President of the Arab Academy for Science, Technology and Maritime Transport. The second camp was in Aswan Governorate, and it hosted by Arab Academy for Science, Technology and Maritime Transport , Aswan branch. The third camp will be for the governorates of Luxor and Qena. After that, Sohag, Assiut, Minya and the rest of the governorates of the Republic.**

Online content is available on YouTube on the official channel of the ministry and on the project's Facebook page. A mobile app is being implemented. For the project to have all the content available on it. Also, work is underway on a website to provide full content as well.

Please check 4.3.1-Annex 7 (ROBOTAC-PHOTOS),
and 4.3.1-Annex 8 (Robotak Boot Camp_Aswan)

- Robotak on YouTube:

<https://www.youtube.com/watch?v=T8DIF5C9a5g&list=PLxtjpo78XnPhURz6PThqGdrMIICVieZ9c>

- <https://www.youtube.com/watch?v=a8ZmYYFsNRw&list=PLxtjpo78XnPiIy8N5Rt8DaH52GEs2MI7U>

- <https://www.youtube.com/watch?v=VuTYRfyI0Qg&list=PLxtjpo78XnPhURz6PThqGdrMIICVieZ9c&index=8>

- Robotak on Facebook:

<https://www.facebook.com/Robotakemys>

https://aast.edu/en/colleges/ccit_cairo/newstemp.php?page=44&disp_unit=1&last_id=4487&get_event_type=1&language_id=1&view=1

11) AAST Startup School

AAST Startup School acts as the educational arm of the AAST Entrepreneurship center. The main objective of this program is equipping early stage entrepreneurs with the essential, substantial, and core knowledge & skills for free. On another side, supporting existing startups through advanced trainings and technical, industry-related mentorship programs. Also, the school provides AAST EC incubators with the required educational support to achieve the impactful incubation experience. **All center activates and training are free charge and public.**

<https://aaststartupschool.com>

<https://aaststartupschool.com/courses/ideation-training/lesson/lesson-overview/>

12) Rally Ideation Training

The Rally Ideation Training is considered the first step in supporting entrepreneurs at early stage. The training targets university students and graduates who still have no startup ideas, or those wish to improve their ideas before starting to actually work on its implementation for free .It consists of:

1. Awareness sessions about the Entrepreneurship culture and its wide ecosystem.
2. Ideation sessions to help the students generate startup ideas related to their passion and their area of expertise.
3. A complete explanation on how to prepare the Business Model Canvas of the idea.
4. The required skills and tips on how to present the startup idea to the judging panel.

This year, in the Egypt Entrepreneurship Rally 2020, **The Arab Academy for Science, Technology, and Maritime Transport will provide 50,000 certificates of attendance for the top participants in the ideation training who will manage to successfully submit their startup ideas and upload their Business Model Canvas, as well as a 3-minutes video where they explain their startup idea clearly to the judging panel.**

Check Training outline

[https://aast.edu/en/openfiles/opencmsfiles/pdf_retreive cms.php?disp_unit=1204/4.3.1-Annex9%20\(Ideation%20Training%20\).pdf](https://aast.edu/en/openfiles/opencmsfiles/pdf_retreive cms.php?disp_unit=1204/4.3.1-Annex9%20(Ideation%20Training%20).pdf)

Start the training

<https://aaststartupschool.com/entrepreneurship-rally-competition/>

You can also Meet the trainers and find out what you will learn during the training.

https://aast.edu/en/centers/Entrepreneurship/contenttemp.php?page_id=48200085

https://www.youtube.com/channel/UCyantWHej0_my_bfi0Q4s0g

Please check 4.3.1-Annex 9 (Ideation Training (Online Edition) V1.0 - Egypt Entrepreneurship Rally 2020)

13) College of Engineering and Technology offers a set of **free workshops and training courses** to the public.

- a) Electronic and communication free online summer course

https://aast.edu/en/news.php?unit_id=3&language=1&event=200&get_event_type=1

- b) Oracle java programming & ADF free online course

https://aast.edu/en/news.php?language=2&view=1&unit_id=530&event=12&get_event_type=1

- c) Electronics And Communications Free Online Verilog HDL And FPGA Design Course

https://aast.edu/en/news.php?unit_id=3&language=1&event=200&get_event_type=1