



**ARAB ACADEMY FOR SCIENCE, TECHNOLOGY
AND MARITIME TRANSPORT**

**COLLEGE OF ENGINEERING
AND TECHNOLOGY**

(GRADUATE STUDIES)

Master of Science Programs

STATUS REPORT

ALEXANDRIA

2012

Vision and Mission of College

VISION

Our vision is to excel as one of the best engineering colleges locally and regionally and to maintain internationally recognized programs with an advanced academic rank. We also envision to provide the highest quality educational programs, research, and community services and to play a leading role in all our engineering activities, as a foremost engineering school in the Arab World.

MISSION

Our mission is to efficiently integrate all of our facilities and resources to proactively provide competitive, intellectual, and market-driven academic programs, research, and community services and pledge strong collaboration between our faculty, staff members, students, researchers, alumni, and industrial and business leaders. Further to maintain and develop long term and lasting partnerships with Arab institutions, and internationally acknowledged bodies.

College Message

COLLEGE MESSAGE: CURRENT STATUS AND FUTURE PROSPECTUS

In a world of tough competition, innovation, and technological advances, our College is always aiming at international excellence and recognition for its academic and research programs at the undergraduate and graduate levels.

Since its founding in 1991, the College has grown continuously in gaining reputation with its graduates participating everywhere in the development efforts of the country, the Arab world and beyond.

Currently, the College delivers several academic programs in: mechanical, marine, construction and building, industrial and management, architecture and environmental design, electrical and computer control, electronics and communications, computer engineering, basic and applied science and the graduate studies in different engineering disciplines.

Similar to other academic entities of the AASTMT, we strictly apply the quality policy and assurance system of ISO 9001-2000 which effectively and efficiently guarantees the highest attainable eminence of world class engineering education.

Further, the programs offered by the College are acknowledged by the Supreme Council of Egyptian Universities (SCU) on 1996 and renewed on 2002 and 2007, respectively.

On the other hand, the year 2005 marks a significant milestone for the College, as we obtained the full accreditation from the British Professional Institutes; (IMechE), (IMarEST), (IET), (ICE), (IStructE), and (IHT) for all the engineering programs, beside the accreditation from the Royal Institute of British Architects (RIBA) parts 1 and 2 for our architectural engineering program.

It is a main concern to keep our programs in pace with developing technologies and to seek innovative methods to recruit, hire, develop, and retain faculty with excellent teaching and research capabilities. Meanwhile, to have academic and research focus areas in line with national goals and to develop lasting international, regional, and domestic partnerships to support the College efforts in teaching, research, and service. Such a focal objective is interpreted by building strong relationships with industry and international institutions to promote our academic program development, research projects, and employment opportunities of our graduates.

Developing new academic programs that reflect the demand for engineering graduates in the present and future market is crucial. Inter and multidisciplinary research proposals, project teams, and special task forces are central in our main activities.

In order to maintain and achieve the delivery of its quality services, the College is currently acquiring and continues to develop top-notch educational resources, lab facilities and academic infrastructure.

College Message

Attracting high quality students through a competitive system of scholarships and maintaining a College life that preserves our traditions and values, and equips our graduates with solid knowledge in different cultural aspects, are always considered vital to our success.

The College's substantial progress has resulted from the support and beliefs of the AASTMT administration, the efforts of its faculty, staff members, and industry working in concert to develop the finest quality education, research and outreach programs.

In the next coming period, the College of Engineering is strategically targeting to maintain its central and significant contribution to the AASTMT unique initiatives in education, research, consultation and community services to the Arab region.



Vision and Mission of Electronics and Communications Engineering Department

VISION

The vision of the ECE department is envisaging being amongst the top-ranked in the world by leading revolutionary research in electronics and communications disciplines while guaranteeing the finest quality educational programs that are able to produce the leaders who will shape the future technological arena worldwide.

MISSION

PURSUE the discovery of fundamental knowledge and its applications through creative, innovative and pioneering research.

PROVIDE an outstanding educational program that enables our graduates to become the finest in their profession by imparting fundamental principles, skills, and tools to innovate and excel.

DEVELOP within each student a robust repertoire of professional skills, to provide each with avenues for exploring diverse interests, and to launch each successfully into one of a variety of careers offering lifelong learning, service, and leadership within their own local, national and global communities.

FACILITATE the development of well rounded, educated, productive, and ethical individuals who are well versed in social and environmental issues beside the technology issues.

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1.0 THE ACADEMY

Since its inception in 1972 as an organization under the umbrella of the Arab League, the Arab Academy for Science, Technology and Maritime transport has been providing educational and training services in a wide range of disciplines, sciences, and technologies related to the Maritime sector. Bachelor's degree programs in both Maritime Transport and Marine Engineering, together with courses leading to certificates of competency for deck officers, marine engineers, and radio officers, have been mastered by AASTMT and constantly delivered serving a multinational body of students over the past thirty six years (1972–2008).

Through a strategic vision correlating the mission of AASTMT to the local, regional, and international ever-changing demands, AASTMT has broadened its scope to offering Bachelor's Degree Programs in Engineering and Management. The College of Engineering and Technology offers Master of Science programs in the following eight engineering disciplines: Electronics and communications; Computer; Mechanical; Marine; Industrial and management; Electrical and computer control; Construction and building; and Architectural engineering and environmental design.

The Programs of Bachelor's Degree in Management are offered in business administration and in tourism and hotel management. Programs leading to Master's degrees in various related disciplines are also offered.

In response to the community requirements for diversity, AASTMT established the Sea Training Institute; Productivity and Quality Institute, Advanced Management Institute, Technical and Vocational Institute and Port Training Institute. These Institutes have developed strong connections with various sectors of industry in terms of postgraduate studies, training, and constancy services.

Programs offered by AASTMT are accredited by the Supreme Council of Egyptian Universities (SCU) according to the decree number 135 issued on August 27, 1996. On the other hand, AASTMT is a fully accredited member of both the Association of Arab Universities and the International Association of Universities.

AASTMT has also established and hosted a number of professional and scientific societies among which are the Arab Institute of Navigation; the Egyptian Marine Engineering Institute, the Society, United Nations Development Program (UNDP), Japan International Cooperation Agency (JICA), and hosts of other organizations, institutions, colleges, and universities.

AASTMT provides its graduate students with the following:

- An excellent opportunity to interact with senior specialists and faculty members on modern issues and concepts in the emerging new areas of research and development in varieties of managerial, maritime, scientific, engineering and technological fields.
- Advanced knowledge in different topics, fields and disciplines based on the Creative and Critical Thinking skills.
- Ways to enhance the students' thinking and research capabilities in the chosen major field of study using the most recent advances in scientific and engineering methodologies and techniques.
- Chances for participants to prove their own developed capabilities by submitting written theses in specific topics of interest.
- Ways to assist the participants in career development.

AASTMT offers various educational facilities such as advanced audiovisual classroom facilities, laboratories, workshops and simulators. A substantial amount of financial resources had been

properly invested in establishing and updating these facilities since the inception of AASTMT in 1972. Donations from foreign countries such as Japan and the USA as well as from international agencies such as IMO and UNDP estimated by US\$8 million were invested in the late 70's and early 80's in order to provide the required equipment for education and training at AASTMT. This investment is continuously increasing through the annual budgetary revenues of AASTMT.

Stressing the concern of the Academy about providing the latest techniques and simulators, the College of Management and Technology was provided with advanced educational laboratories of CD ROM and CDI. In addition, the College of Maritime Transport and Technology established the integrated simulators complex, which is used in training on different forms of ships, maneuvering as well as the protection of marine environment from pollution. The College of Engineering and Technology is also equipped with more than 50 laboratories serving different engineering domains.

The issue of educational development is of growing international interest. It has also become of increasing concern to different sectors of the society and is not only limited to the small number of specialists and professionals involved.

New ideas have recently emerged causing current educational systems to being no longer adequate to prepare the new generations for their new world. Meeting this kind of educational challenge and suggesting solutions for the present educational problems should take priority over other problems—whether economic, social or political. Hence, improving and developing educational systems should be given the full attention of the administration.

Many of the world countries have vied for educational development. For instance, the United States has launched an educational campaign entitled 'America 2000'. In order not to be a research dependent state, Japan, for the third time round in the last two decades, is further developing its educational system. South Korea has embarked on innovating and revolutionizing its educational system. It has carried out comparative educational studies and has adopted the educational innovations of other countries, such as Japan, Sweden, Britain, Spain, the United States and Israel, as a model for development.

AASTMT administration has realized the importance of educational innovation and development, since the early days of its establishment in 1972. Before the inauguration of the College of Engineering and Technology in 1991, the opportunity of engineering education was offered to students of engineering who were accepted for enrolment and registration at the Department of Trade and Commerce, College of Maritime Transport and Technology, in September 1972.

This called for the development of programs and courses in the Department of Trade and Commerce, College of Maritime Transport and Technology to catch up with counterpart British colleges.

In a further attempt to develop its educational system, AASTMT took the initiative of granting Bachelor's degrees in Engineering to its students upon successfully taking a four-and-half-year academic program, instead of the six-year program that was originally offered in accordance with a ministerial decree 215 of 1974, after which they are granted a Certificate of Second Marine Engineer.

In 1975, AASTMT adopted the Credit-Hour System. The efforts of specialized committees resulted in designing new curricula for the students who were admitted in October 1977.

2.0 COLLEGE OF ENGINEERING AND TECHNOLOGY

2.1 ENGINEERING UNDERGRADUATE STUDIES PROGRAMS

The Bachelor of Engineering programs were soon put into effect after the implementation of the Credit Hour System. These programs were prepared in collaboration with the Faculty of Engineering, Alexandria University, and the members of Engineering Sector Committee, at the Supreme Council of Universities.

The Supreme Council of Universities issued two decrees (numbered 4 of 1984 and 11 of 1985) stating that the Bachelor's degrees granted by AASTMT are equivalent to those granted by other Egyptian State Universities in similar specialties. AASTMT started granting the following Bachelor's degrees in Engineering:

- Bachelor of Marine Engineering Technology
- Bachelor of Marine Electronic Engineering Technology
- Bachelor of Maritime Transport (Commercial)

Attempting to keep up with the accelerating pace of technological progress, AASTMT administration held a series of seminars under the title of 'ACAD 2000' during the period from 1986 to 1988. These seminars emphasized that AASTMT must start to seriously consider the revision of its academic goals. It also presented a number of suggested recommendations for the improvement of teaching curricula and teaching methods.

In order to meet the challenges of its growing institutional needs, AASTMT started to implement the suggested recommendations by establishing the College of Engineering and Technology in 1991, where all the different engineering programs and related preparatory interdisciplinary courses were taught, under the auspices of one institution with standardized courses and a decentralized and developed infrastructure, comprising four different departments specialized in four engineering areas:

- Marine Engineering
- Electronics and Computer Engineering
- Electrical and Control Engineering
- Basic and Applied Sciences

The teaching of the different engineering programs was launched to offer the following university degrees and certificates:

- Bachelor of Marine Engineering Technology
- Bachelor of Marine Machinery Technology
- Bachelor of Electronics and Computer Engineering Technology
- Bachelor of Electronic Systems Technology
- General Certificate of Radio and Communication
- Certificate of Radio Officer
- Certificate of 3rd, 2nd, and Chief Marine Engineer

Since its inauguration in 1991, AASTMT started to develop its teaching programs according to two basic principles. First, that the student body, staff members and administrators are the main driving force of the educational process and its source of creativity and innovation. Second, that the educational activities should challenge students intellectual abilities and stimulate discussion

and new ideas, whether these educational activities are carried out in university lecture rooms, laboratories or workshops.

In 1991, the programs and courses in the Electronics and Computer Engineering Department were updated to meet the rapid progress in this field of engineering science. The department, therefore, started teaching curricula for three undergraduate divisions:

- The Electronics Section
- The Communications Section
- The Computer Section

In 1993, Bachelor's degrees in the following branches of Mechanical engineering were offered:

- Mechanical Engineering (Power)
- Mechanical Engineering (Refrigeration and Air Conditioning)

Similarly, the inauguration of another program of Marine Engineering necessitated the opening of a branch that offers a Bachelor's degree in Offshore Structures by the Marine Engineering Department in order to meet the growing developments in the field. It is worth noting that this new Bachelor's degree in Offshore Structures accepted students who wished to earn a Bachelor's degree in Marine Engineering. In 1994, several new departments were established to offer Bachelor's degrees in the following fields of engineering:

- Electrical and Computer Control Engineering: Electrical Power
- Electrical and Computer Control Engineering: Automatic Control
- Construction and Building Engineering
- Industrial and Management Engineering

In October 1997, the Architectural Engineering and Environmental Design program was initiated followed by the Computer Science program in October 1999.

Engineering education is a major driving force that affects the progress of humanity at large. It does not only influence academic and technological progress, but also the economic and social development of any given country. Hence, AASTMT has found it essential, as one of its first priorities, to standardize the teaching programs and courses it offers to the different sectors of its student body. This is meticulously carried out following a framework in accordance with international criteria recognized by the American Accreditation Board for Engineering Technology (ABET) and the Committee of the Engineering Sector at the Supreme Council of Universities (SCU), which issued the decree No. 135 of 1996 stating that AASTMT Bachelor's degrees in the different branches of Engineering are equivalent to those offered by the State Egyptian universities in the same specialties.

In April 1997, the College acquired accreditation from the International Institute of Marine Engineering in London, stating that its Bachelor's degrees in the following areas meet the European standards as recognized by the British Engineering Council:

- Marine Engineering
- Electronics and Communications
- Mechanical Engineering
- Electrical Engineering
- Power Control

This gave AASTMT graduates opportunities to work and study in the countries of the European Union without having to go through any further examinations or accreditations. On January 1,

2001, the Bachelor's Degree in Mechanical Engineering has similarly been accredited by the British Engineering Authority and the Institute of British Engineers in London.

In August 1999, the College of Engineering obtained the ISO-9000 certification in education attesting the high quality control of its teaching programs, courses, academic staff, administration and educational resources, which were all up to internationally set criteria.

On 4 April 2001, the Supreme Council of Universities issued the decree No. 26 of 2001 stating that AASTMT Bachelor's Degree in Architecture Engineering and Environmental Design is equivalent to that offered by the State Egyptian universities.

The Committee of Computer and Information Sector, at the Supreme Council of Universities, paid the College a preliminary visit on 25 February 2001, in order to prepare for the Bachelor's Degree in Computer Science equivalence process with that of the counterpart degrees offered by State Egyptian Universities.

In August 2001, the Committee of the Engineering Sector at the Supreme Council of Universities paid AASTMT another visit to accredit its Bachelor's degrees and to support the decision taken by the Computer and Information Committee. The Engineering Committee also stated that all AASTMT Bachelor's degrees are equivalent to those offered by State Egyptian Universities.

2.2 ENGINEERING GRADUATE STUDIES PROGRAMS

Graduate studies leading to Master's degrees in the following engineering specialty areas started to be offered in September 1994:

- Marine Engineering
- Electronics and Communications Engineering
- Computer Engineering
- Management Engineering
- Electrical and Computer Control Engineering
- Mechanical Engineering
- Construction and Building Engineering
- Architectural Engineering and Environmental Design

On 9 November 2000, the Committee of the Engineering Sector at the Supreme Council of Universities visited the College to evaluate the graduate programs, and collected data on laboratories, libraries and other college facilities. It also asked for data describing the performance of staff members and researchers on overseas scholarships.

On 28 April 2001, the Supreme Council of Universities issued the decree No. 30 of 2001 stating that the Master's degrees offered by AASTMT in (1) Electronics and Communications Engineering, (2) Computer Engineering, (3) Electrical Engineering and Control, (4) Mechanical Engineering, (5) Marine Engineering, (6) Engineering Management, and (7) Construction and Building Engineering are all equivalent for 5 years to those offered by State Egyptian Universities.

The course programs achieved the set of objectives in accordance with the standards, criteria and requirements of the Degree Accreditation Board for Chartered Engineers (DABCE), UK and the Royal Institute of British Architects (RIBA), UK. The AASTMT ISO9001/ 2000 procedures related to the accreditation criteria were a concrete base to implement the required standards. In February 2005, the Royal Institute of British Architects (RIBA) at the UK validated the program of B.Sc. in Architectural Engineering and Environmental Design. In June 2005, the Degree Accreditation Board for Chartered Engineers (DABCE) at the UK accredited all the other engineering programs.

On 19 June 2006, the Supreme Council of Universities (SCU) issued the decree No. 70 of 2006 stating that the Master's degree offered by AASTMT in Architectural Engineering and Environmental Design is equivalent for 3 years to that offered by the state Egyptian universities.

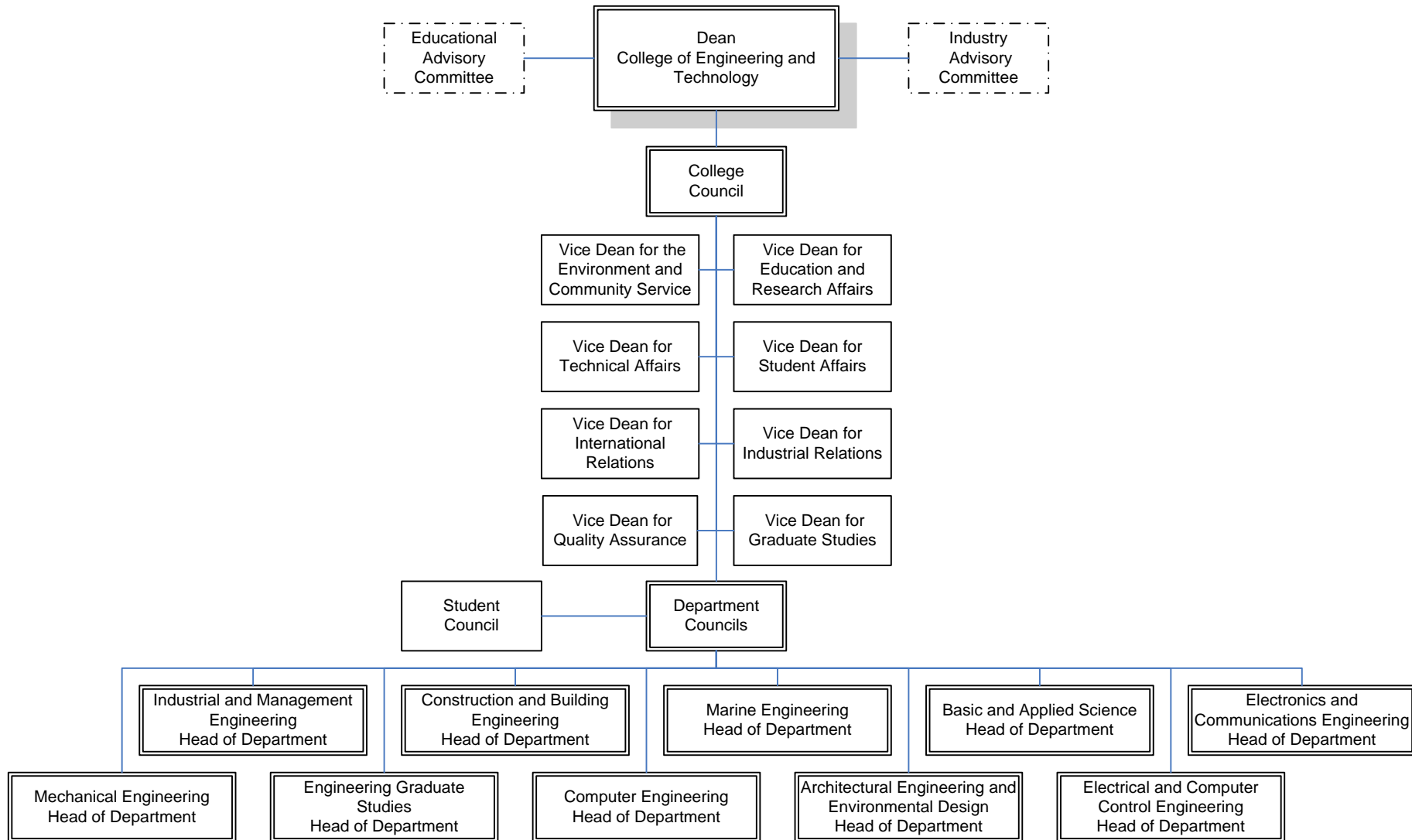
On 19 June 2006, SCU issued the decree No. 79 of 2006 to pursue the decree No. 30 of 2001 and to renew for 3 years the equivalence of the Master's degrees offered by AASTMT at Alexandria in (1) Electronics and Communications Engineering, (2) Computer Engineering, (3) Electrical Engineering and Control, (4) Mechanical Engineering, (5) Marine Engineering, and (6) Construction and Building Engineering to those offered by the State Egyptian Universities.

On 24 July 2006, SCU issued the decree No. 97 of 2006 to pursue the decree No. 30 of 2001 and to renew for 3 years the equivalence of the Master's degree offered by AASTMT at Alexandria in (1) Electronics and Communications Engineering, (2) Computer Engineering, (3) Electrical Engineering and Control, (4) Mechanical Engineering, (5) Marine Engineering, and (6) Construction and Building Engineering to those offered by the State Egyptian Universities.

On 17 October 2010, SCU issued the decree No. 223 of 2010 to pursue the decree No. 30 of 2001 and to renew for 3 years the equivalence of the Master's degree offered by AASTMT at Alexandria in (1) Electronics and Communications Engineering, (2) Computer Engineering, (3) Electrical Engineering and Control, (4) Mechanical Engineering, (5) Marine Engineering, and (6) Construction and Building Engineering to those offered by the State Egyptian Universities.

COLLEGE OF ENGINEERING AND TECHNOLOGY

ORGANIZATIONAL CHART



Background and Evolution

3. GRADUATE STUDIES: RULES AND REGULATIONS

3.1 ADMISSION

Applicants to the Master of Science program in Engineering must hold a university undergraduate Bachelor's degree from an accredited university or college. An overall Grade Point Average (GPA) of at least 2.40/4.00 (or Good) in the undergraduate degree is required. Otherwise, the applicant may be accepted if (s)he holds a post-Bachelor's Diploma in a relevant area with a minimum GPA of 3.00/4.00 (or Very Good).

The Department of Engineering Graduate Studies at the College of Engineering and Technology identifies the applicants who are eligible for enrollment into the program. The academic department then interviews the applicants individually to select those who will be recommended for admission.

Applications of newly admitted applicants are valid for two semesters. If an admitted applicant does not enroll by the second semester, (s)he must reapply for admission.

Members of the staff and employees of the Academy who wish to register as graduate students should consult the appropriate staff handbooks concerning admission regulations and fee information.

3.1.1 APPLICATION DOCUMENTS

The graduate admissions process of the College of Engineering and Technology seeks to select applicants whose credentials attest to their outstanding ability, preparation, and potential for successful completion of their graduate studies. Applicants must submit the following documents to the Department of Graduate Engineering Studies:

- Official Transcripts: An official transcript must be submitted for each of the colleges and/or universities attended. Transcripts should include an explanation of the grade scale used by the colleges and/or universities attended. All copies should be officially certified as identical to the original. Transcripts and/or copies cannot be returned.
- Copy of passport or identification card
- Financial Plan (if sponsored)
- Completed Application Form

3.1.2 DEADLINE

The application and all required documents must be received before the following deadlines:

Semester	Deadline
Fall	September 15
Spring	February 15

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Individuals submitting applications later than the above dates are not guaranteed consideration for admission to the program in the semester applied for. Their applications will be only processed if time and resources permit.

3.2 REGISTRATION

Applicants may register after the College of Engineering and Technology has approved their application for admission. Registration must be accomplished according to schedules and procedures established by the College of Engineering and Technology.

The registration of a graduate candidate is the responsibility of the candidate. Candidates must register for each course. Registration for a course also includes registration for the examination for that course. Course registration takes place within the first week of classes.

Note:

- Candidates may register for the thesis in the area approved by the academic advisor and the corresponding academic department after completion of at least 15 credit hours.
- The minimum period from the beginning of the first class registered by the student until thesis submission and graduation is 24 months.

3.3 GRADES

The student shall be credited a total score and a corresponding letter grade by the end of each course. The College uses a system of letter grades and equivalent grade points for evaluating the course work, as shown in the following chart:

Score	Grade	Points
90–100	A	4
85–89	A–	3²/₃
80–84	B+	3¹/₃
75–79	B	3
70–74	B–	2²/₃
65–69	C+	2¹/₃
60–64	C	2
< 60	F	0
I	I	–
W	W	–

Grades are calculated as a Grade Point Average (GPA) by dividing the sum of weighted achieved points by the sum of credit hours attempted. An Incomplete (I) grade is not included until required work is completed and a grade is assigned. Withdrawal (W) is given no grade or points and courses with W do not contribute to

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the GPA. Only the highest grade of a course registered twice or more is calculated in the Grade Point Average (GPA).

3.3.1 INCOMPLETE COURSEWORK

If, after the instructor and candidate have conferred, the candidate presented an acceptable excuse for not completing the coursework on schedule, and the instructor has assigned a date by which time all course requirements must be completed, the candidate receives a grade (I). If the coursework remains incomplete on the assigned date the grade will be changed automatically to a grade (F).

3.3.2 WITHDRAWAL OF A COURSE

The candidate may withdraw a course(s) within 3 weeks from the beginning of the semester as a condition for partial refund.

3.4 EXAMINATIONS

Course examinations are given at the instructor's discretion. Final examinations are given only during the scheduled examination period (16th week). If applicable, there will be exams during the 7th week and/or 12th week. If the candidate is absent with an acceptable excuse from a final exam and wants a credit for the course, after the instructor and candidate have conferred, the candidate must complete a special exam before the end of the semester immediately following his/her absence.

3.5 ATTENDANCE

Candidates are expected to attend each class session unless they have a valid and acceptable excuse for being absent. Candidates may be required at any time to account for undue irregularity in attendance. Any student who has been excessively absent from a course may be forced to withdraw from that course without credit or refund.

3.6 TRANSFER OF CREDITS

Credit gained in a previous graduate education may be transferred to the College of Engineering and Technology graduate program and would therefore sufficiently substitute a similar Master's course.

Only courses with grade B (Good) or higher are eligible for transfer. A maximum of 6 credit hours from an accredited Master's program may be transferred into the Master's program of the College of Engineering and Technology. No course that has been taken more than 2 years before the student's acceptance may be transferred into the program of study.

3.7 ACADEMIC STANDARDS OF WORK

A student must maintain a cumulative GPA of 3.00/4.00 during his/her study at the College of Engineering and Technology in order to graduate. No unresolved (I) grades may be part of the program of study. At the beginning of the final semester

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the student should review the program of study as necessary and obtain approval to ensure that all graduation requirements are met.

3.8 THESIS

The final step of the graduate Master's program is to submit a thesis. There is more to the thesis than satisfying the Academy's procedural requirements.

The supervisor(s) and members of the examination committee will help the candidate meet the tangible requirements of an advanced degree and the intangible basics of conducting and communicating the results of original research in the area of specialty. A student has up to 5 years from the date of admission to complete all requirements of the degree. The supervisor(s) of the thesis may request an extension if progress of the student is satisfactory.

3.8.1 PROCEDURES OF THESIS PREPARATION AND DISCUSSION

- The candidate shall prepare the thesis at the end of the study duration and submit it to the College in due course.
- The candidate shall submit three bound coverless copies of the thesis for examination purposes.
- The thesis must be written in English. A petition presented by the Department to the College may grant permission to the student to write the thesis in Arabic.
- An abstract written in both Arabic and English shall be attached to the thesis. The abstract shall comprise the objectives and conclusions of the research, as well as the research tools used in the preparation of the thesis.
- The Head of Department of the academic Department shall determine the date of the examination in coordination with the supervisor(s) and the examiners.
- If the examiners cannot agree that the thesis is acceptable, the Examination Board may nominate an additional examiner and the majority of examiners will determine the result of the examination.
- If the defense of the candidate is not satisfactory, the Examination Board shall re-administer the examination within at most six months upon the recommendation of the viva voce examination board.
- After the examination, the candidate shall make all the modifications according to the comments of the board of examiners then submit four final copies of the thesis to the College, one of which shall be kept at the College, and three at the Library of the Academy.
- The examination board shall comprise at most three members nominated by the Dean of the College; the Board shall comprise at least one external examiner and at most one examiner from the Academy.

3.8.2 USING MATERIAL PROTECTED BY COPYRIGHT

When quoting extensively from copyrighted material, the candidate must obtain permission from the copyright holder and acknowledgements must be made.

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3.9 READMISSION

A regularly admitted graduate candidate who has not registered for two semesters must apply for readmission. A candidate is not guaranteed continuing graduate status if (s)he does not enroll for a period of two consecutive semesters.

3.9.1 WITHDRAWAL

An applicant who is forced to withdraw from the program during the academic year or at the end of any semester may be granted the opportunity to return. However the period of withdrawal should not be for more than two consecutive academic semesters.

3.9.2 LEAVE OF ABSENCE

The College has adopted a leave of absence policy that permits the candidate to continue his/her education. The following principles govern the leave of absence policy:

- An applicant must make a written request for a leave of absence to the Dean. The request must include the reasons for the leave and the time the student plans to be away. Leave of absence will generally be granted for one or two academic semesters. A leave may be further extended upon written application and approval of the Dean.
- An applicant who is granted a leave of absence due to medical reasons may be requested to submit a clinical evaluation to the College before being reinstated to the Program.

3.10 ACADEMIC INTEGRITY

Candidates with different academic and cultural backgrounds may have different perceptions of what constitutes acceptable academic behavior.

The following specific ethics should assist students in avoiding immoral practices when preparing a written assignment or thesis:

- A candidate's paper (examination, essay, theme, etc) may not be prepared in whole or in part by someone else.
- Candidate should never attempt to present another person's work, statements, ideas, etc as their own, whether they use an author's actual words or paraphrase the author.
- Candidate may use the actual words of an author if they acknowledge that they are doing so. Quotations should usually be short and infrequent.
- Collaboration between candidates may be helpful and desirable. In these instances the instructor should clearly specify the nature and limits of collaboration in reports and other work. (S)He should be certain that the candidates understand what constitute unacceptable practice in their course.

Graduate candidates at the College of Engineering and Technology are expected to maintain generally accepted standards of academic honesty and professional integrity. Failure to do so will lead to dismissal from the College. Instructors who believe an unethical practice has occurred should take the following steps:

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- The instructor will advise the student orally as soon as possible after the offense is noticed.
- If the instructor remains convinced that an offense has occurred, a written statement of the offense will be sent to the Dean.
- The candidate's academic Dean should advise the student of the appealing procedures which are available.

3.11 DISMISSAL FROM THE GRADUATE PROGRAM

Candidates who fail to maintain satisfactory academic grades, academic performance in the major field or a satisfactory performance in the required examinations shall be dismissed from the graduate program.

The candidate's registration for the Master's degree shall be cancelled by the College after the Dean's approval. Cancellation shall be effected in the following cases:

- If the candidate fails to obtain the degree within five years starting from the date of registration, taking into consideration any leave of absence.
- If the candidate fails to meet the requirements of the study courses, if his final cumulative grade point average is less than 3.00/4.00, or if the number of the courses in which the candidate's grade is 2.00/4.00 exceeds two courses.
- The candidate shall be officially notified if the supervisor(s) submits a report requesting cancellation of registration for reasons accepted by the Dean.
- If the candidate's thesis is unanimously rejected by the assessment or the examination committee.
- If the candidate requests cancellation of registration in writing or fails to pay the tuition fees.

3.12 STUDENT APPEALS

The candidate is entitled to an explanation of the details of the grade achieved in any examination. This explanation can be given either orally or in writing by one of the examiners. A request for such an explanation must be based on facts. A grade can be appealed against. Such an appeal must be submitted no later than one week after the explanation of the grade has been given. Oral presentations and examinations cannot be appealed.

Candidates may petition the College for an appeal relating to grades. A petition for an appeal must be submitted by the candidate with full justification for the request.

3.13 TUITION FEES

The tuition fees for every course shall be paid at the beginning of each semester. If the student, or his sponsor, fails to pay the tuition fees at the indicated time, the student's registration shall be cancelled and the student shall not attend any lectures. The Dean of Admissions and Registration shall determine the tuition fees at the beginning of each semester.

The tuition fees of the programs using the credit hour system shall be determined on the basis of the credit hour and shall be paid either collectively for a full semester or according to the number of credit hours registered for.

4. MAIN EDUCATIONAL BUILDINGS

4.1 LABORATORY FACILITIES

1. ARCHITECTURAL AND ENVIRONMENTAL DESIGN

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Museum Exhibition	E-080	120	--
2	Studio	E-190	250	60
3	Environmental Design	E-270	250	60
4	Sculpture Studies	E-280	50	20
5	Painting Studio	E-288	50	20
6	Studio	E-290	250	60
7	Studio	E-390	250	60
8	Models Workshop	E-474	120	25
9	Computer Lab	E-480	80	25
10	Studio	E-470	250	60

2. BASIC AND APPLIED SCIENCES

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Physics 1 (Electrical and Magnetisms)	B-114	70	20
2	Physics 2 (Heat and Sound)	B-116	100	30
3	Physics 3 (Sound, Optics & Magnetisms)	C-146	70	20
4	Chemistry 2	C-150	70	25
5	Chemistry 1	B-214	70	25

3. COMPUTER ENGINEERING

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Network Center	C-234 B	70	--
2	Computer 1	B-300	70	25
3	Computer 2	B-312	70	25
4	Microprocessors	C-326	70	25
5	Computer 3	C-328	70	25
6	Computer 4	C-330	70	25
7	Digital Circuits Design	D-441	70	25

4. CONSTRUCTION AND BUILDING

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Light Structures	C-036	35	20
2	Heavy Structures	D-035	70	20
3	Concrete	D-037	70	20
4	Construction Surveying and Geology	D-039	70	20
5	Construction Materials and Asphalt	D-041	70	20
6	Soil Mechanics	D-045	70	20
7	Transportation Engineering	D-047	70	20

5. ELECTRICAL AND COMPUTER CONTROL

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Electrical Circuits	C-034	70	25
2	Power Systems	C-042	70	16
3	Electrical Workshop	C-044	70	16
4	Digital Automatic Control	A-101	100	20
5	Analog Automatic Control	A-103	25	20
6	Electrical Machines	A-201	125	20

6. ELECTRONICS AND COMMUNICATIONS

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Solid State Electronics	C-038	60	21
2	Analog Communications	C-130	70	21
3	Digital and Optical Communications	C-132	70	21
4	Electronics	C-230	70	21
5	Electronic Circuits	C-232	70	21
6	Antenna and Microwave	C-426	70	18
7	Radar / GMDSS	C-428	70	20
8	Digital Signal Processing / VLSI	C-430	70	21

7. INDUSTRIAL AND MANAGEMENT

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Work Analysis and Ergonomics	C-424	70	15
2	See Industry Service Center			
3	Metallurgy and Non Destructive Testing	A-107	70	25

8. MECHANICAL AND MARINE

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Heat Transfer and Thermodynamics	A-05	150	25
2	Fluid Mechanics and Hydraulics	A-07	150	25
3	Materials Destructive Testing	A-011	150	25
4	Refrigeration and Air Conditioning	B-08-010	120	25
5	Mechatronics	B-012	30	25
6	Engineering Drawing	D-139-141	150	60
7	Mechanical Vibrations	A-205	70	25
8	Engineering Drawing	D-339-141	150	60
9	Engine Room Simulator (located in the College of Maritime Transport Building)	028	120	25
10	Internal Combustion Engines	Workshop	300	25
11	Automotive Engineering	Workshop	150	25

9. OTHERS

No.	LABORATORY	Allocation Building-Room #	Area (m ²)	Capacity (Students)
1	Language	B-216	70	20

4.2 INDUSTRIAL SERVICE CENTER

LABORATORY FACILITIES

No.	LABORATORY	ROOM	AREA (m ²)	Capacity (students)
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(I) ELECTRONICS and COMMUNICATIONS

1	Electronics	106	65	25
2	Electronic Circuits	314	65	25

(II) COMPUTER

1	Computer Applications	207	78	25
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(III) MECHANICAL and MARINE

1	Marine Engineering Workshop (2)	004	45	12
2	Maintenance Workshop	008	345	25
3	Steam Power Plant	006	50	12
4	Automotive Engineering	007	136	25
5	Marine Engineering Simulator	005	45	12
6	Mechatronics	006	67	6
7	Marine Engineering Workshop (1)	108	179	25
8	Mechatronics (PLC)	205	45	25
9	Hydraulics	208	45	25
10	Truck Simulator	209	45	25
11	Refrigeration and Air Conditioning	305	113	25
12	Ship Construction	315	45	25

(IV) INDUSTRIAL and MANAGEMENT

1	Metrology	005	74	12
2	Metal Cutting Workshop (1)	008	366	25
3	Advanced Metal Cutting Workshop	107	179	25
4	Metal Cutting Workshop (2)	109	65	12
5	Computer Integrated Manufacturing (CIM)	213	70	25

4.3 LIBRARIES AND INFORMATION SERVICES CENTRE

Libraries of educational organizations play a major role in supporting educational activities and enriching the academic life of students and faculty members.

Since its inception in 1972, AASTMT saved no effort in supporting the educational process, and therefore a specialized library was established in order to make use of the information published in different media. The library of AASTMT is considered one of the most sophisticated and specialized libraries in Egypt that serves AASTMT academic community and visiting scholars and researchers. The collection of AASTMT library comprises 20 text databases covering the main fields of interest of the users.

In order to offer a distinguished information service, AASTMT library established an integrated information system. This system enables the users to perform direct search through a computerized catalog, bibliographic databases on CD-ROM's or through direct connection with the Internet.

AASTMT library also offers photocopying services, either locally or through subscription in the British Library Document Supply Center (BLDSC), in addition to other services like computerized charging and reservation.

The Library serves the academic community in all branches of the Academy. It consists of the Main Library, Architecture Library, Maritime Library, Management Library, Advanced Management Institute Library, Cairo Engineering Library, and Cairo Management Library.

THE COLLEGE OF ENGINEERING AND TECHNOLOGY LIBRARY

The College of Engineering and Technology Library, or the central library, in Abu-Quir campus, consists of three floors, comprising a selected collection of books and references in both the engineering and maritime fields, serving the courses and research work which takes place at the College of Engineering and Technology. The Main Library comprises a selected collection of books and references in different engineering specializations, in addition to Periodicals, Dissertations, Projects, Online Databases, and Databases on CD-ROM.

The Main Library building consists of 3 floors. The building has undergone a development process that added to the pre-established facilities. The Library can host (300) users at the same time.

The first floor comprises the references, periodicals, projects and dissertations. It also comprises an Internet lab for users to retrieve information from the Internet, OPAC, and Online databases subscribed to by the Library. The lab can serve (10) users at the same time.

The second floor comprises English books in the fields of: Mechanical, Marine, Construction, and Industrial Engineering. A computer lab with (10) terminals is also available, in addition to a photocopy unit.

The third floor comprises English and Arabic books. English books are in the fields of: Computer, Electrical, and Electronic Engineering and Basic & Applied Science. It also comprises a silent area that can host (15) users at the same time, in addition to a photocopy unit.

Users can browse the Internet and the Online Public Access Catalog (OPAC) of the Library. They can also scan and save or print images from books or periodicals available in the library.

The Main Library comprises a selected collection of books and references in different engineering specializations. Its collection consists of (20000) titles, (80) Periodicals, (130) Online Journals, (362) Dissertations, and (413) Projects, In addition to Databases, electronic encyclopedias and dictionaries on CD-ROM. All dissertations are available in both hard copy form and on CD-ROM, which is considered the start of the digital library.

A brief description of the services offered by the libraries and information services centre

Since its inception in 1972, the Arab Academy for Science & Technology, and Maritime Transport (AASTMT) saved no effort in supporting the educational process. And because academic libraries play a major role in supporting educational activities and enriching the academic life of students and faculty members, AASTMT established a specialized library in order to make use of the information published in different media. The Library of AASTMT is

considered one of the most sophisticated libraries in Egypt that serves both AASTMT's academic community and visiting scholars and researchers.

Due to the change in the role libraries play in the information field in general, and the academic field in particular, the Library's name changed to "**Libraries & Information Services Centre**"; A change that was crucial due to the emergence of new information resources in addition to books, and the growing reliance on diverse information sources that meet users' information needs.

The Centre serves the academic community in all branches of the Academy. It consists of the Main Library, Architecture Library, Nautical Library, Logistics Library, Management Library, Graduate School of Business (GSB) Library in Alexandria, Graduate School of Business (GSB) Library in Sheraton, Sheraton Engineering Library, Sheraton Management & Logistics Library, Dokki Management & Logistics Library, Library of Graduate Studies in International Transport & Logistics, and Aswan's branch Library.

The 12 libraries are all connected through online interactive terminals to ensure easy access to 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, bibliographic databases on CD-ROMs and through direct connection to the Internet.

THE MAIN LIBRARY (THE COLLEGE OF ENGINEERING AND TECHNOLOGY LIBRARY)

The Main Library in Abu-Qir campus mainly serves the College of Engineering and Technology, in addition to performing all technical activities of acquisition and cataloguing of all information media. The Main Library comprises a selected collection of books and references in different engineering specializations, in addition to Periodicals, Dissertations, Projects, Electronic Journals, and Databases on CD-ROM.

THE ARCHITECTURAL ENGINEERING AND ENVIRONMENTAL DESIGN LIBRARY

The Architectural Library is found on the ground floor of the Architectural Engineering and Environmental Design department building located within the College of Engineering and Technology in Abu-Qir campus. It is one of AASTMT libraries and has proven itself in the architectural field lately. The Architectural Library serves the undergraduate students, faculty members, researchers and professionals in all fields of architecture.

It holds within its racks 1670 foreign books, 250 Arabic books, and 11 periodicals. The books, references and periodicals, whether in Arabic or foreign languages, are of the latest editions and cover a wide range of topics in the fields of the profession including urban planning, urban design, design data, landscape design, housing, interior design, architects and architectural firms. It also covers the fields of building construction, building materials, project management and building technologies, history of architecture, artistic works, architectural presentations, environmental studies, fine arts, architectural criticism, and the field of computer applications in architecture.

The library houses an electronic library of 12 personal computers, 8 of them may be used in surfing the Web (linked to the main campus net server) and as a digital book library. The other 4 PCs serve as a bibliographic database search, 2 of them for faculty and students and the other 2 for staff members. The library also includes photocopying service provided by two fast photocopying machines and one magnetic-card-operated machine.

The Architecture Library in Abu-Qir campus serves the department of Architectural Engineering & Environmental Design of the College of Engineering and Technology. It comprises a collection of the latest publications in architecture. Its collection consists of (2800) titles, (10) periodicals, as well as Databases Online and on CD-ROM. The Library is equipped with (5) terminals for its users to browse the Internet and the OPAC of the Library. Users can also scan and save/print images from books or periodicals available in the library. The Architecture Library can host up to (50) users at the same time.

THE NAUTICAL LIBRARY

The Nautical Library in Abu-Qir campus serves the Nautical Specializations of the College of Maritime Transport and Technology. It comprises a collection of the latest publications in the maritime field. Its collection consists of (3150) titles, (240) Dissertations, (34) Periodicals, as well as all International Maritime Organization (IMO) publications (print and on CD-ROM) as the AASTMT's Maritime Library is a depository library of IMO publications. The Nautical Library can host up to (50) users at the same time.

LOGISTICS LIBRARY

The Library in Abu-Qir campus serves the specializations of International Transport and Logistics in the College of International Transport & Logistics. Its collection consists of (1750) titles, (120) Dissertations, (13) Periodicals, In addition to Full-Text e-journals and dissertations. Users can browse the Internet and the Online Public Access Catalog (OPAC) of the Library. They can also scan and save/print images from books or periodicals available in the library. The Logistics Library can host up to (25) users at the same time.

The Management Library

The Management Library in Miami campus serves the College of Management and Technology. It comprises a collection of the latest publications in management fields. Its collection consists of (4000) titles, (42) periodicals, (200) Dissertations, (2500) Researches, in addition to Full-Text e-journals and dissertations, and a number of U.N. publications. Users can browse the Internet and the Online Public Access Catalogue (OPAC) of the Library. The Management Library can host up to (35) users at the same time.

The Graduate School of Business (GSB) Library (Alexandria)

The Graduate School of Business (GSB) library in Miami campus serves graduate courses in management fields. It comprises (1492) titles, (385) Dissertations, in addition to Full-Text e-journals and dissertations.

LIBRARY OF GRADUATE STUDIES IN INTERNATIONAL TRANSPORT AND LOGISTICS (AASTMT LIBRARY IN MIAMI)

AASTMT library in Miami serves the academic community in Miami campus. The library in Miami serves specialization of the College of Management and Technology with its departments. It comprises a collection of the most recent titles (550 foreign titles, 2500 Arabic titles and 55 periodicals) in the fields of business administration, hotel and tourism, in addition to the publications of the International Labor Organization (ILO) and the United Nations Conference in Trade and Development (UNCTAD).

All AASTMT libraries are connected with the Central library in Abu-Quir through its online interactive terminals, to ensure easy access to library in-house database.

The Library of Graduate Studies in International Transport & Logistics in Miami campus serves graduate courses in international transport and logistics fields. It comprises (704) titles, (69) Dissertations, in addition to Full-Text e-journals and dissertations.

SHERATON ENGINEERING LIBRARY

The Sheraton Engineering Library serves the specializations the College of Engineering and Technology branch in Cairo. The Library can serve (70) users at the same time. Its collection of engineering books is (3307) titles, (371) Dissertations, and (64) Projects, (20) Periodicals, in addition to Databases on CD-ROM. Photocopying services are available for all library users.

SHERATON MANAGEMENT AND LOGISTICS LIBRARY

The Sheraton Management & Logistics Library serves the specializations the College of Management and Technology and the College of International Transport & Logistics in Cairo (Sheraton). The Library can serve (40) users at the same time. Its collection of management books is (2662) titles and (372) Dissertations, (2) Periodicals, in addition to Databases on CD-ROM. Photocopying services are available for all library users.

The Graduate School of Business (GSB) Library (Sheraton)

The Graduate School of Business (GSB) Library (Sheraton) Library serves graduate courses in management fields. The Library can serve (40) users at the same time. It comprises (1180) titles, (91) Dissertations, in addition to Full-Text e-journals and dissertations.

DOKKI MANAGEMENT AND LOGISTICS LIBRARY

The Dokki Management & Logistics Library serves the specializations the College of Management and Technology and the College of International Transport & Logistics in Cairo (Dokki). The Library can serve (25) users at the same time. Its collection of management books is (920) titles, and (70) Dissertations, in addition to Databases on CD-ROM. Photocopying services are available for all library users.

Summary of Libraries in Abu-Quir Campus

<i>Library</i>	<i>Books</i>	<i>Printed Periodicals</i>	<i>Dissertations</i>	<i>Capacity</i>
Main	25,000	100	550	300
Architecture	2,800	10	-	50
Nautical	3,150	34	240	50
Logistics	1,750	13	120	25
Total	32,700	157	360	425

Number of Books Available

Subject	Number of Books
Mechanical Engineering	1,560
Marine Engineering	620
Electronics & Communications Engineering	3,200
Basic & Applied Sciences	2,750
Electrical & Control Engineering	2,450
Construction & Building Engineering	2,000
Industrial Engineering	1,500
Computer Engineering & Computer Science	4,850
Quality Management	1,700
Architectural Engineering & Environmental Design	3,500
Nautical	950
Shipping & Logistics	5,350
Business Administration	11,000
Management Information Systems & E-Commerce	750
Hotels & Tourism	1,350

Printed Journals

Subject	Specializations served	Number
Computer	Computer engineering – E-commerce – Computer science – MIS	4
Electronics	Electronics engineering – Communications engineering	7
Electrical engineering	Electrical engineering – Control	6
Industrial engineering	Industrial and management engineering	10
Mechanical engineering	Mechanical engineering	13
Marine engineering	Marine engineering	10
Basic sciences	Mathematics – Statistics – Physics – Chemistry	5
Construction	Construction engineering – Construction management	26
Architecture	Architectural engineering and environmental planning	10
Maritime	Maritime Transport – Marine Technology	47
Business Administration	Human Resources – Marketing – Finance	34
Hotels & Tourism	Hotels & Tourism	1
Total		173

Online Journals

Subject	Specializations served	Number
Computer	Computer engineering – E-commerce – Computer science – MIS	75
Mechanical engineering	Mechanical engineering	15
Marine engineering	Marine engineering	2
Construction	Construction engineering – Construction management	30
Architecture	Architectural engineering and environmental planning	1
Maritime	Maritime Transport – Marine Technology	12
Business administration	Business Administration – Industrial engineering – Construction management – Quality	3,000
Total		3,135

Databases

Subject	Specializations served	Number
Computer	Computer engineering – E-commerce – Computer science – MIS	1
Electronics	Electronics engineering – Communications engineering	3
Mechanical engineering	Mechanical engineering	1
Marine engineering	Marine engineering	2
Basic sciences	Mathematics – Statistics – Physics – Chemistry	2
Construction	Construction engineering – Construction management	3
Architecture	Architectural engineering and environmental planning	1
Maritime	Maritime Transport – Marine Technology	2
Business Administration	Business Administration – Industrial engineering – Construction management – Quality	4
Total		19

Databases and E-Journals

American Concrete Institute ACI
Materials Journal
Structural Journal
Concrete International
Academy Of Management AOM
Academy of Management Exclusive
Academy of Management Journal
Academy of Management Learning & Education
Academy of Management News
Academy of Management Review
American Marketing Association (AMA)
Journal of Marketing
Journal of Marketing Research
Marketing Management
Marketing News
American Society of Civil Engineers (ASCE)
Journal of Bridge Engineering
Journal of Construction Engineering and Management
Journal of Environmental Engineering
Journal of Geotechnical & Geoenvironmental Engineering
Journal of Hydraulic Engineering
Journal of Management in Engineering
Journal of Materials in Civil Engineering
Journal of Structural Engineering
Journal of Surveying Engineering
Journal of Transportation Engineering
Journal of Urban Planning and Development
Journal of Water Resources Planning and Management
Journal of Waterway, Port, Coastal and Ocean Engineering
American Society of Mechanical Engineers (ASME)
Journal of Fluids Engineering
Journal of Vibration and Acoustics
Journal of Engineering Materials and Technology
Journal of Dynamic Systems, Measurement, and Control
Journal of Applied Mechanics
Journal of Heat Transfer
Journal of Engineering for Gas Turbines and Power
Journal of Offshore Mechanics and Arctic Engineering
Emerald
Benchmarking: An International Journal
Business Process Management Journal
Career Development International
Cross Cultural Management
Employee Relations
Empowerment in Organizations
Equal Opportunities International
European Journal of Marketing
Executive Development
Health Manpower Management
Human Resource Management International Digest
Industrial Management & Data Systems
Information Technology & People
Integrated Manufacturing Systems
International Journal of Agile Management Systems
International Journal of Career Management
International Journal of Health Care Quality Assurance
International Journal of Manpower
International Journal of Operations & Production Management
International Journal of Physical Distribution & Logistics Management

International Journal of Productivity and Performance Management
International Journal of Quality & Reliability Management
International Journal of Quality Science
International Journal of Service Industry Management
International Journal of Social Economics
International Journal of Sociology and Social Policy
International Marketing Review
Journal of Economic Studies
Journal of Enterprise Information Management
Journal of Health, Organization and Management
Journal of Fashion Marketing and Management
Journal of Intellectual Capital
Journal of Management in Medicine
Journal of Managerial Psychology
Journal of Manufacturing Technology Management
Journal of Organizational Change Management
Journal of Product & Brand Management
Journal of Quality in Maintenance Engineering
Leadership and Organization Development Journal
Leadership in Health Services
Logistics Information Management
Management Development Review
Managing Service Quality
Marketing Intelligence & Planning
Participation and Empowerment: An International Journal Personnel Review
Qualitative Market Research
Team Performance Management
The International Journal of Bank marketing
The Journal of Business & Industrial Marketing
The Journal of Consumer Marketing
The Journal of Management Development
The Journal of Services Marketing
The Journal of Workplace Learning
The Learning Organization: An International Journal
The TQM Magazine
Training for Quality
Women in Management Review
Work Study
World Class Design to Manufacture
EBSCO
American Journal of Physics
Annals of Tourism Research
Applied Ocean Research
ESAIM: Mathematical Modelling and Numerical Analysis
International Journal of Electrical Engineering Education
International Journal of Electrical Power & Energy Systems
International Review of Law and Economics
International Shipbuilding Progress
Journal of Macroeconomics
Journal of Monetary Economics
Journal of Transport Economics and Policy
Marine Pollution Bulletin
Maritime Policy & Management
NDT & E International
Operations Research
Transportation Research Part E: Logistics and Transportation Review
Trade winds
IEEE
IEEE sensors journal
IEEE Transactions on wireless communications

IGI Full-Text Online Journal Collection
 Information Resources Management Journal
 International Journal of Business Data Communications and Networking
 International Journal of Cases on Electronic Commerce
 International Journal of Data Warehousing and Mining
 International Journal of Distance Education Technologies
 International Journal of E-Business Research
 International Journal of e-Collaboration
 International Journal of Electronic Government Research
 International Journal of Enterprise Information Systems
 International Journal of Healthcare Information Systems and Informatics
 International Journal of Information and Communication Technology Education
 International Journal of Information Technology and Web Engineering
 International Journal of Intelligent Information Technologies
 International Journal of IT Standards and Standardization Research
 International Journal of Knowledge Management
 International Journal of Technology and Human Interaction
 International Journal of Web Services Research
 International Journal of Web-Based Learning and Teaching Technologies
 International Journal on Semantic Web & Information Systems
 Journal of Cases on Information Technology
 Journal of Database Management
 Journal of Electronic Commerce in Organizations
 Journal of Global Information Management
 Journal of Organizational and End User Computing
 INFORMS
 Decision analysis
 Information Systems Research
 INFORMS Journal of computing
 Manufacturing & service operations management
 OR/MS Today
 Mathematics of OR
 Organization Science
 Transportation Science
 INFORMS Transactions of OR/MS
 Individual titles
 Drewry monthly
 Euromoney
 International Journal of Engineering Education
 Journal of Finance
 Journal of financial research
 Lloyd's list
 Maritime economics & logistics
 Fairplay weekly
 Digital Video magazine
 Safety at Sea
 Containerisation International
 ABU – QIR Periodicals
 Management Library
 Academy of Management Executive
 Academy of Management Journal
 Academy of Management Learning and Education
 Academy of Management Review
 Business Week
 Economist
 Euromoney
 Fortune
 Harvard Business Review
 Human Resource Management
 Human Resource Planning

International Journal of Accounting
International Journal of Accounting Information systems
International Review of Law and Economics
Journal of Macroeconomics
Journal of Management Information Systems
Journal of Marketing
Journal of Marketing Research
Journal of Monetary Economics
Long Range Planning
Management International Review
Marketing Management Magazine
Marketing News
Mathematics of Operations Research
MIS Quarterly
Operations Research
Organization Science
Main Library
ACI materials journal
ACI structural journal
American journal of physics
Applied and computational harmonic analysis
Civil engineering magazine
Concrete international
Decision analysis
Diesel and gas turbine worldwide
Educational technology, research & development
ESAIM: Mathematical modelling and numerical analysis
Every day with practical electronics
IEEE Biomedical engineering
IEEE communications magazine
IEEE computer graphics and applications
IEEE control systems magazine
IEEE Instrumentation and measurement magazine
IEEE Oceanic engineering
IEEE Power & energy magazine
IEEE Sensors journal
IEEE transactions on Automatic control
IEEE transactions on Automation science & engineering
IEEE transactions on Communications
IEEE transactions on Computers
IEEE transactions on Energy conservation
IEEE transactions on Engineering management
IEEE transactions on Industrial electronics
IEEE transactions on Knowledge and data engineering
IEEE transactions on Neural networks
IEEE transactions on Parallel and distributed systems
IEEE transactions on Pattern analysis
IEEE transactions on Power electronics
IEEE transactions on Reliability
IEEE transactions on Signal processing
IEEE transactions on Software engineering
IEEE transactions on Wireless Communications
International journal of electrical power & energy systems
International shipbuilding progress
Journal of applied mechanics
Journal of Bridge Engineering
Journal of Construction Engineering and Management
Journal of dynamic systems, measurement and control
Journal of engineering for gas turbine and power
Journal of engineering materials and technology

Journal of Environmental Engineering
Journal of fluid engineering
Journal of geotechnical & geoenvironmental engineering
Journal of heat transfer
Journal of Hydraulic Engineering
Journal of Management in Engineering
Journal of Materials in Civil Engineering
Journal of mechatronics
Journal of offshore mechanics and arctic engineering
Journal of offshore technology
Journal of petroleum technology
Journal of ship production
Journal of ship research
Journal of Structural Engineering
Journal of Surveying Engineering
Journal of transportation engineering
Journal of Urban Planning and Development
Journal of Water Resources Planning and Management
Journal of Waterway, Port, Coastal and Ocean Engineering
Journal on computing
Manufacturing & service operations management
Mathematics of operations research
Metallurgical and materials transaction B
Metallurgical and materials transactions A
National geographic magazine
NDT & E international
Offshore
Plating and surface finishing
SPE drilling & completion
SPE production & facilities
Teaching mathematics and its applications
Turbo machinery international
Shipping & Logistics Library
Applied Ocean Research
BMT Abstracts
Bulletin of the Marine Engineering Society in Japan
Containerization International
Dock and Harbour Authority
Fairplay International Shipping
GPS World
Harbour and Shipping
Hazardous Cargo Bulletin
Hydrographic Journal
International Journal of Logistics Management
Journal of Business Logistics
Journal of Maritime Law and Commerce
Journal of Navigation
Journal of Transport Economics and Policy
Lloyd's List
Lloyd's Maritime and Commercial Law
Lloyd's Shipping Economist
Marine Engineering Review M E R
Marine Observer
Marine Pollution Bulletin
Marine Technology and Sname News
Mariners Weather Log
Maritime Economics and Logistics
Maritime IT and Electronics
Nautical magazine
Nautical Research Journal

Naval Architect
Navigation: Journal of the Institute of Navigation
Ocean Navigator
P & I International
Safety at Sea
Sea Technology
Seaways
Shipping & Trade Law
Shipping World & Shipbuilder
Survey Review
Trade Winds
Transportation Research
Weather
World Wide Shipping

4.4 SERVICE CENTRES

A comprehensive guide to the various centres that support the College of Engineering and Technology

THE ENGINEERING CENTRE (ECCRCS)

The Engineering Centre for Consultancy, Research and Community service (ECCRCS) is a state of the art centre that offers exclusive consultancy development services in the different fields of engineering. ECCRCS was established to provide the critical link between the industrial marketplace and the College of Engineering and Technology.

ECCRCS works closely with the College faculty, industry, government agencies and the local community to support and encourage the transformation of cutting edge research into innovative and commercially exploitable development services that are implemented using new and high technological procedures.

In addition, ECCRCS uses its extensive links with industry to help forge business and research partnerships and to market the College's research capabilities both nationally and internationally.

As ECCRCS continues its mission 'SHAPING THE FUTURE TODAY' it expects to maintain and enhance not only the quality of its services offerings and delivery but also adopting new approaches in design.

Fields and Scopes

ECCRCS works with the College of Engineering and Technology faculty and researchers along with a short list of international and local experts and consultants to identify innovations with commercial potential and to offer its distinguished services within the different fields of engineering.

ARCHITECTURAL AND ENVIRONMENTAL DESIGN

Urban Planning, Urban Design, Landscaping, Architectural Design, Feasibility Studies and Arbitrating Engineering Disputes.

CIVIL ENGINEERING

Structural design of concrete, metallic in addition to hydraulic constructions, design and structure of road projects, site surveying, soil investigations, reconstruction and repairing recommendations, projects management and construction material testing.

COMPUTER ENGINEERING

Feasibility studies, analysis, design and specifications of information systems.

Electronics and Communications Engineering

Feasibility studies and design for indoor and outdoor communication systems, design and implementation of electronic equipment for industrial application in the PCBs, feasibility study and design of solar cell powered system, designing special communication system for GMDSS on board ships as well as offshore and setting technical specifications for radar system on radar ships and coastal stations.

ELECTRICAL AND CONTROL ENGINEERING

Design of distribution networks, lighting interior and exterior, power distribution, automatic control, alarm systems and laboratory facilities.

INDUSTRIAL AND MANAGEMENT ENGINEERING

Strategy development, business process re-engineering and asset restructuring of organizations, productivity and quality improvement, feasibility studies of planned industrial projects, engineering analysis, equipment, selection and facility planning.

Development and analysis of computerized maintenance management systems, Management Information System (MIS), and supply chain design. Design and development of manufacturing processes, Conventional Machining, Forming, Casting, and welding process. Non-conventional and computer assisted manufacturing (AM), work measurement and analysis of industrial processes operations, quality system design and management. Precision management standardization and calibration of equipment process.

MECHANICAL - MECHATRONICS AND MARINE ENGINEERING

Preparation of technical studies, determination of technical specifications, carrying out research and designing projects. Moreover; conducting and management of training programs and preparation of maintenance programs. Conducting and management of training programs and preparation of maintenance programs.

INDUSTRY SERVICE CENTRE (ISC)

Industry Service Centre (ISC) is one of the leading affiliates of the Arab Academy for Science and Technology and Maritime Transport. The ISC provides high quality educational environment that supports the College of Engineering and Technology.

It has been established as an integrated, multi-facets, central complex of technical facilities for educational support, manpower training, career development, R&D, business and industrial oriented studies and resources management in numerous industrial and service fields.

The ISC backs the mission of the College of Engineering and Technology in improving the quality of the graduates by continuously following the demand, and needs of industry and business requirements. Based on those needs and requirements our educational and training programs are updated. Also, it provides assistance, guidance and support to innovative projects and research ideas of graduate and undergraduate students.

Labs

The Industry Service Centre (ISC) is currently equipped with the following lab facilities:

Industrial Engineering Labs

Reverse Engineering Lab

Marine Engineering Labs

Steam Power Engineering Lab

Automotive Engineering Lab

Diesel Engines Lab

Woodworking Lab

Electronic Circuits Labs

Programmable Logic Controllers Lab
Mechatronics Lab
Hydraulic and Pneumatic Systems Lab
Computer Application Labs
CNC & Advanced Manufacturing Lab
Industrial Systems Simulator Lab
Truck Simulator Lab
Refrigeration and Air Conditioning Lab
Information and Documentation Centre

AASTMT believes in the role of information as one of the most important organizational resources. So, it established its information and documentation centre since 1983. The main objective of the Information and Documentation Centre (IDC) is to develop the management information systems that help users in different departments to their work in easy, accurate, productive and compact way.

Systems are developed for Admission, Registration, Academic Fees, Academic Guidance, Library, all Financial Operations, Inventory, Purchasing, Personnel, Payroll, Medical Services, and most of the operations related to education, students, material affairs and security software systems.

IDC offers training chances for undergraduate students in computer database design and maintenance. It also provides assistance to researchers and students in their studies and projects.

In addition to the systems developed for the AAST that include all Financial Operations, Inventory, Purchasing, Personnel, Payroll, Medical Services; the IDC also provides systems that support the educational process in the College these include Admission, Registration, Academic Fees, Academic Guidance, Library, and Grading.

Computer Networking Centre

The Computer Networking Centre (CNC) builds and maintains a unified backbone information network throughout the Academy's different campuses. It supports the College of Engineering Internet connection. CNC provides an Ethernet and Broadband Wireless facility for the students and the staff to connect to the unified network, the intranet and the Internet. Internet access is provided via wireless access points that cover all the College of Engineering premises.

The CNC also provides and maintains the Academy's presence on the internet with various internet services (FTP, Email, Newsgroups...). The Information and Documentation Centre (IDC) is also connected to the same unified network to facilitate access to the centre from anywhere in the world, while maintaining special measures for its connectivity for security purposes.

The Abu-Quir network, being the main campus (220,000 square meters) is covered by the state of the art ATM network using a fiber infrastructure to guarantee best performance.

CNC sustains an infrastructure of a wide area network for all AAST campuses, which integrates data, voice and video. This infrastructure permits a full automation of administrative and educational mechanisms and permits a strong infrastructure for distant learning.

MULTIMEDIA CENTRE

The Multimedia Centre is an integrated multimedia production house specialized in the development of educational and training multimedia courses on the Internet, CD-ROM, and DVD-ROM.

The MMC is considered one of the largest specialized centres that produce interactive educational programs in the Middle East. MMC main expertise is the development of educational and training e-learning and multimedia courseware. E-learning and e-training multimedia integrated courseware packages are prepared on the Internet (WWW), Intranets and CD-ROM discs. CD/online hybrids are also produced to make use of the strengths of both environments; speed of multimedia on CD-ROM and online updating and dynamic performance of the Internet.

As an integrated studio, the centre furthermore offers other services in design, printing, audio recording and editing, and video capturing and editing. The Centre comprises a number of specialized departments:

Instructional design

Graphic design & illustrations
2D & 3D animation
Video
Audio
Programming
Planning and quality assurance
Research, development and technical support
Computer Service Centre

Arab Academy for Science & Technology & Maritime Transport (AASTMT) has always been one of the largest supporters to students. The Academy's main goal was to improve the quality of service provided to the students in order to improve their skills and to enhance their capabilities. One of the main objectives for the computer Services Centre, with the help and cooperation of the College of Engineering and Technology, is to provide new technology facilities to all the Academy's Students and staff.

BUSINESS CENTRE

The centre offers professional office facilities and customized administrative support services. The centre can give students and staff everything they need for preparing reports, papers, projects and presentations, with the help of skilled assistants. The centre provides the following services: scanning, typing, printing, and binding.

MICROSOFT TRAINING CENTRE

The centre through the College of Engineering and Technology participation helps in improving students' skills. Stay ahead of the curve with Microsoft's training and certification programs. The student can be validated as an expert in his field. If a student wants to launch an IT career, he is encouraged to visit the training centre and join the training programs to keep learning. Training Programs include:

Microsoft Certified Professional (MCP)
Microsoft Certified System Engineering (MCSE)
Microsoft Certified System Developer (MCSD)

TRAINING AND CONSULTATION CENTRE

The Consultation and Training Unit is one of many units of the College of Engineering and Technology that serves the community. The unit is specialized in providing integrated consultancy as well as training services satisfying the various needs and requirements of individuals, companies and organizations in all engineering fields.

The goals of this unit:

Serving the community and upgrading professional and technical cadre in all engineering fields by:

Designing specialized training programs
Adopting a continuous development philosophy
Providing state of the art courses and latest technologies in all engineering fields.
Choosing only the highly experienced and the best in their fields.
Providing technical support to companies and organizations in all engineering fields.
Building ties and exchanging scientific and technical expertise with industrial companies in the region.

Providing onsite Training.

Organizing seminars and conferences on different technological issues.

All the training courses offered are related to the College of Engineering departments, a sample group of these courses is listed below:

Flow Measurements & Calculation
Orifice & control Valves Calculations
Advanced Control loop Analysis & Trouble Shooting
Advanced Programmable Logic Controller PLC
Instrumentation Calibration series, Calibration Level and Flow instruments
Microprocessor in instrumentation and control
Environmental Management Systems Auditor / Lead Auditor

Digital Image Processing Using Matlab®
Electronic Circuits Analysis by Computer (PSPICE).
Marine pipeline and Subsea Systems
Structural Design of Offshore Platforms
Condition Based Maintenance IE
Industrial Facilities Planning
Project Scheduling
Industrial Warehouses Planning

REGIONAL INFORMATICS CENTRE

As a new contribution in its leading role in offering higher education standards and spreading the information technology, Arab Academy for Science, Technology and Maritime Transport established the first Regional informatics centre in the Middle East and North Africa. The Centre works in collaboration with the College of Engineering and Technology and relies on the College faculty and their participation in its diverse events.

RIC organizes the following:

Training courses in informatics and robotics.

Workshops and exhibitions in the robotics field.

The Egyptian Olympiad in informatics.

The Robokids completion, in Robotics and Artificial Intelligence.

4.5 ADMINISTRATION, FACULTY AND STAFF

Program overview, activities and job opportunities, and program objectives
Administration

DEANERY

Moustafa Hussein, *Dean of College.*

Ahmed Mostafa Ragheb, *Assistant Dean, Graduate Studies.*

Ihab El-Kassas, *Assistant Dean, Technical Affairs.*

Hamdy Ashour, *Assistant Dean, Industrial Relations.*

Mohamoud Abu Zaid, *Vice Dean, Community Services and Environment Affairs.*

Ihab Badran, *Vice Dean, Education and Student Affairs..*

Yasser Gaber El-Dessouky, *Assistant Dean, International Relations, Head of Electrical and Computer Control Engineering Department.*

Abd El-Baith Mohamed, *Assistant Dean, Community Services and Environment Affairs.*

Aly Ibrahim El-Darwich, *Assistant Dean, Quality Assurance.*

Mohamed Ihab El-Masry, *Associate Professor, Ph.D. (2004) University of Southern California, USA, Structural Engineering.*

Ahmed Lotfy, *Professor, Ph.D. (1997) Alexandria University, Egypt, Electrical Power.*

DEPARTMENTS

Abbas Yehia, *Head of Architectural Engineering and Environmental Design Department.*

Ahmed Mostafa Ragheb, *Head of Engineering Graduate Studies Department.*

Nasser Mohamed El-Maghraby, *Head of Basic and Applied Science Department.*

Amr Aly Hassan, *Head of Marine Engineering Department.*

Darwish Abdelaziz, *Head of Electronics and Communications Engineering Department.*

Khaled S. El-Kilany, *Head of Industrial and Management Engineering Department.*

Mohamad Abou El-Nasr, *Head of Computer Engineering Department.*

Nabil El-Ashkar, *Head of Construction and Building Engineering Department.*

Sohair F. Rezeka, *Head of Mechanical Engineering Department.*

AAST

Fatma F. Zada, *Associate Professor, Ph.D. (1994) Mansoura University, Egypt, Intelligent Robotics.*

Ossama Ismail, *Professor, Ph.D. (1994) Queens University, Canada, Robotics, Mechatronics, Computer Control.*

Hesham Bassioni, *Associate Professor, Ph.D. (2004) Loughborough University, UK, Construction Management.*

Ahmed Anas Helal, *Associate Professor, Ph.D. (2004) Heriot-Watt University, UK, Electrical Machines and Drives.*

Ibrahim El-Mohr, **Professor**, *D.Sc. (1986) George Washington University, USA, Power Systems.*

Samah El-Safy, *Professor, Ph.D. (1998) Ain Shams University, Egypt, Electrical Power.*

Nagi El Semelawy, *Professor, Ph.D. (1984) University of Glasgow, UK, Naval Architecture Engineering.*

Mohamed Ihab El-Masry, *Associate Professor, Ph.D. (2004) University of Southern California, USA, Structural Engineering*

FACULTY

ARCHITECTURAL ENGINEERING AND ENVIRONMENTAL DESIGN

Abbas Yehia, *Professor, D.P.L.G. (1969) Beaux-Arts Paris, France, D.I.U.P. (1967) Institut d'Urbanisme, Paris, France, Architecture and Urbanism.*

Alaa-Eldin Sarhan, *Associate Professor*, Ph.D. (1994) Alexandria University, Egypt, Architecture and Urban Design.

Amal Mamdouh, *Assistant Professor*, Ph.D. (2004) Alexandria University, Egypt, Child Educational Environment.

Gihan Mosaad, *Associate Professor*, Ph.D. (2002) Alexandria University, Egypt, Sustainable Architecture and Environmental Design.

Maye A. Yehia, *Assistant Professor*, Ph.D. (2007) Alexandria University, Egypt, Architecture and Urban Design.

Mohamed Gomaa, *Professor*, D.P.L.G. (1982) Beaux-Arts Paris, France, Architecture and Urban Design.

Mostafa Gabr, *Professor*, Ph.D. (1990) Edinburgh University, UK, Landscape Architecture.

Mohamed Atef, *Assistant Professor*, Ph.D. (2002) Alexandria University, Egypt, Architectural

Mohamed Wahba, *Assistant Professor*, Ph.D. (2003) Alexandria University, Egypt, Sustainable Architectural and Urban Design

Sherine Shafik, *Assistant Professor*, Ph.D. (2008) Alexandria University, Egypt, Sustainable Architectural and Urban Design

Wael M. Hassab, *Assistant Professor*, Ph.D. (2004) Alexandria University, Egypt, Environmental Architecture.

BASIC AND APPLIED SCIENCE

Nasser Mohamed El-Maghraby, *Professor*, Ph.D. (2001) Alexandria University, Egypt, Applied Mathematics.

Aly Abdel-Moneim Abdel-Halim, *Associate Professor*, Ph.D. (2006) Zagazig University, Egypt, Mathematical Physics.

Amany Mohamed Elsayed, *Assistant Professor*, Ph.D. (2008) Alexandria University, Egypt, Applied Mathematics.

Fahmy Mahmoud Hussein, *Professor*, Ph.D. (1978) University of Western Ontario, Canada, Mechanical Engineering.

Houssam-Eldin Shawky Mohamed, *Associate Professor*, Ph.D. (2006) Alexandria University, Egypt, Engineering Mathematics.

Ibrahim Hassan Mohamed, *Associate Professor*, Ph.D. (2002) Alexandria University, Egypt, Chemical Engineering.

Iman Shafik El-Malah, *Associate Professor*, Ph.D. (1999) Alexandria University, Egypt, Environmental Physics.

Mervat Aly Mohamed, *Assistant Professor*, Ph.D. (1999) Alexandria University, Egypt, Production Engineering.

Mohamed El-Sayed Amer, *Professor*, Ph.D. (1982) Alexandria University, Egypt, Analytical Chemistry.

Mohamed Abdel-Aziz Ibrahim, *Professor*, Ph.D. (1976) McGill University, Communication Engineering.

Mohamed Abdel-Moneim Abbasy, *Professor*, Ph.D. (1985) Washington State University, USA, Mechanical Power Engineering.

Mohamed Abdel-Zaher Abdel-Rasoul, *Associate Professor*, Ph.D. (2003) Alexandria University, Egypt, Nuclear Physics.

Mona Fouad Moussa, *Assistant Professor*, Ph.D. (2001) Alexandria University, Egypt, Electric Power Engineering.

Mohamed Abdel-Hamid Omar, *Assistant Professor*, Ph.D. (2009) Alexandria University, Egypt, Engineering Mechanics.

Samy Abdel-Fatah Oweda, *Associate Professor*, Ph.D. (1996) Alexandria University, Egypt, Naval Architecture & Marine Engineering.

Sherief Gamal El-Sharkawy, *Associate Professor*, Ph.D. (2003) Zagazig University, Egypt, Computational Physics.

COMPUTER ENGINEERING

- Abd El-Baith Mohamed**, *Professor*, Ph.D. (1992) Vienna University, Austria, Computer System Security.
- Ahmed Abd El-Khalek Abou El-Farag**, *Assistant Professor*, Ph.D. (2009) Cairo University, Egypt, Computer Architecture.
- Ihab Abdallah El-Aff**, *Assistant Professor*, Ph.D. (2009) Salford University, UK, Biomedical Engineering.
- Fatma F. Zada**, *Associate Professor*, Ph.D. (1994) Mansoura University, Egypt, Intelligent Robotics.
- Hesham El-Zouka**, *Associate Professor*, Ph.D. (2006) University of Nottingham, UK, Network Security.
- Magdy Saeb**, *Professor*, Ph.D. (1985) University of California, Irvine, USA, Advanced Computational Techniques.
- Mohamad Abou El-Nasr**, *Professor*, Ph.D. (2003) Georgia Institute of Technology, USA, Computer Networks Architecture, Security and Control.
- Mohamed Taher El-Sonni**, *Associate Professor*, Ph.D. (1978) University of Illinois, Urbana-Champaign, USA, Computer Architecture and Pattern Recognition.
- Ossama Ismail**, *Professor*, Ph.D. (1994) Queens University, Canada, Robotics, Mechatronics, Computer Control.
- Sherin Youssef**, *Associate Professor* Ph.D. (2004) University of Nottingham, UK, Artificial Intelligence, Intelligent Mobile Agents, Swarm Intelligence.
- Wael Hosny**, *Associate Professor*, Ph.D. (2006) University of Western Ontario, Canada, Distributed systems. Optical networks and data centres management.

CONSTRUCTION AND BUILDING ENGINEERING

- Ahmed Awad**, *Assistant Professor*, Ph.D. (2006) Nottingham University, UK, Construction Management.
- Ahmed Ragheb**, *Associate Professor*, Ph.D. (1994) Rensselaer Polytechnic Institute, USA, Geotechnical Engineering.
- Akram Soliman**, *Associate Professor*, Ph.D. (2003) Nottingham University, UK, Coastal Engineering and Hydraulics.
- Aly I. Eldarwish**, *Professor*, Ph.D. (1994) Michigan State University, USA, Construction Materials and Reinforced Concrete Structures.
- Ehab El-Kassas**, *Professor*, Ph.D. (2001) Dundee University, UK, Structural Engineering.
- Hesham Bassioni**, *Associate Professor*, Ph.D. (2004) Loughborough University, UK, Construction Management.
- Karim M. Helmy**, *Assistant Professor*, Ph.D. (2007) University of Manitoba, Canada, Structural Engineering.
- Khaled Shawki**, *Associate Professor*, Ph.D. (2003) Alexandria University, Egypt, Construction Engineering.
- Mohamed Foda**, *Associate Professor*, Ph.D. (1988) McGill University, Canada, Transportation and Highway Engineering..
- Mohamed Ihab El-Masry**, *Associate Professor*, Ph.D. (2004) University of Southern California, USA, Structural Engineering
- Nabil El-Ashkar**, *Associate Professor*, Ph.D. (2002) Georgia Institute of Technology, USA, Construction Materials.
- Nabil Ismail**, *Professor*, Ph.D. (1981) University of California, Berkeley, USA, Coastal Engineering and Water Resources.
- Tarek M. Abdel-Aziz**, *Assistant Professor*, Ph.D. (2007) Alexandria University, Egypt, Geotechnical Engineering.
- Wael Kamel**, *Professor*, Ph.D. (1994) University of Paul Sabatier, France, Environmental Engineering.

ELECTRONICS AND COMMUNICATIONS ENGINEERING

- AbdelMoneim AbdelBary**, *Professor*, Ph.D. (1992) Kent University, UK, Chaotic Behavior of Nonlinear Circuits.
- Amr El-Helw**, *Assistant Professor*, Ph.D. (2008) Staffordshire University, UK, Pattern Recognition Using Spread Spectrum.
- Darwish Abdel-Aziz**, *Professor*, Ph.D. (1988) Military Technical College, Egypt, Antennas.
- Ehab Farouk Badran**, *Professor*, Ph.D. (2002) Louisiana State University, USA, Signal Processing for Wireless Communications.
- Farouk A. Salem**, *Assistant Professor*, Ph.D. (1997) Rostock University, Germany, Communications Engineering.
- Hossam Gawish**, *Assistant Professor*, Ph.D. (1983) Alexandria University, Integrated Navigation Systems.
- Iman Morsi**, *Associate Professor*, Ph.D. (2002) Alexandria University, Egypt, Measurements and Instrumentation.
- Maha Sharkas**, *Professor*, Ph.D. (2002) Alexandria University, Egypt, Digital Signal Processing.
- Mohamed El-Sharkawy**, *Associate Professor*, Ph.D. (2006) University of Mississippi, USA, Electromagnetics and Antennas.
- Mohamed Essam Khedr**, *Associate Professor*, Ph.D. (2004) University of Ottawa, Canada, Wireless Communications.
- Mohamed Omar**, *Associate Professor*, Ph.D. (2007) Alexandria University, Egypt, Communications Engineering.
- Moustafa Hussein**, *Professor*, Ph.D. (1987) Alexandria University, Egypt, Optical Fibers.
- Roshdy AbdelRassoul**, *Professor*, Ph.D. (1981) Southern Methodist University, USA, Electronic Devices and Circuits.
- Sharaf Eldin El-Nahas**, *Professor*, Ph.D. (1984) Washington University in St. Louis, USA, Electronic Communications.
- Noha El-Ganayni**, *Assistant Professor*, Ph.D. (2010) Alexandria University, Egypt, Wireless Communications Engineering.
- Heba Shaaban**, *Assistant Professor*, Ph.D. (2010) Virginia Tech. University, USA, Communications Engineering.
- Heba Fayed**, *Assistant Professor*, Ph.D. (2011) Alexandria University, Egypt, Optical Communications Engineering.

ELECTRICAL AND COMPUTER CONTROL ENGINEERING

- Adel Metawee**, *Professor*, Ph.D. (1992) Alexandria University, Egypt, Reliability.
- Ahmed El-Kashlan**, *Professor*, Ph.D. (1984) Alexandria University, Egypt, Control Engineering.
- Ahmed Anas Helal**, *Associate Professor*, Ph.D. (2004) Heriot-Watt University, UK, Electrical Machines and Drives.
- Ahmed F. Amer**, *Professor*, Ph.D. (1989) Lille University, France, Control Engineering.
- Ahmed Lotfy**, *Professor*, Ph.D. (1997) Alexandria University, Egypt, Electrical Power.
- Alaa Khalil**, *Professor*, Ph.D. (1999) Ain Shams University, Egypt, Electrical Machines and Drives.
- Amany El-Zonkoly**, *Associate Professor*, Ph.D. (2003) Tanta University, Egypt, Power Systems Engineering.
- Hamdy Ashour**, *Professor*, Ph.D. (1999) Heriot-Watt University, UK, Electrical Machines and Drives.
- Ibrahim El-Mohr**, *Professor*, D.Sc. (1986) George Washington University, USA, Power Systems.
- Mahmoud Abouzeid**, *Professor*, Ph.D. (1991) Alexandria University, Egypt, Electrical Machines and Drives.
- Mohamed R. Amin**, *Assistant Professor*, Ph.D. (1989), Alexandria University, Egypt, Electrical Power.
- Mostafa Shaheen**, *Associate Professor*, Ph.D. (2006) University of Mannheim, Germany, Control Engineering.
- Samah El-Safty**, *Professor*, Ph.D. (1998) Ain Shams University, Egypt, Electrical Power.

Shady Elkashlan, *Assistant Professor*, Ph.D. (2006) Ain Shams University, Egypt, Electrical Power and Machines.

Yasser G. Dessouky, *Professor*, Ph.D. (1998) Heriot-Watt University, UK, Electrical Machines and Drives.

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Hussein El-Desouki, *Professor*, Ph.D. (1990) Suez Canal University, Egypt, Electric Power Systems.

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INDUSTRIAL AND MANAGEMENT ENGINEERING

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Aziz Ezzat Elsayed, *Professor*, Ph.D. (1983) Alexandria University, Egypt, Industrial Planning.

Khaled S. El-Kilany, *Professor*, Ph.D. (2004) Dublin City University, Ireland, Systems Modelling and Analysis.

Yehia Youssef, *Associate Professor*, Ph.D. (2003) Imperial College, UK, Material Science and Engineering.

Noha Galal Fahmy, *Assistant Professor*, Ph.D. (2010), Alexandria University.

MARINE ENGINEERING

Amr Ali Hassan, *Professor*, Ph.D. (2002) University of Nottingham, UK, Computational Fluid Dynamics, Heat Transfer.

Mohamed Abbas Kotb, *Professor*, Ph.D. (1985) Virginia Polytechnic Institute and State University, USA, Ship hydrodynamics, Ship Propulsion, Energy Systems.

Mohamed El-Nour Abdel-Radi, *Professor*, Ph.D. (1984) University of Glasgow, UK, Offshore Engineering.

Mohamed Fahmy Shehada, *Associate Professor*, Ph.D. (2006) University of Heriot-Watt, UK, Material Engineering.

Nagi El Semelawy, *Professor*, Ph.D. (1984) University of Glasgow, UK, Naval Architecture Engineering.

Tarek Ahmed Elsayed, *Professor*, Ph.D. (1998) University of California, Berkeley, USA, Naval Architecture and Offshore Engineering.

Ahmed Naguib Ahmed, *Assistant Professor*, Ph.D. (2007) University of Alexandria, Egypt, Marine Engineering and Naval Architecture Engineering.

MECHANICAL ENGINEERING

El-Sayed Saber, *Professor*, Ph.D. (1995) Alexandria University, Egypt, Applied Mechanics, Tribology, CFD.

Hassan Abdel-Hamid, *Professor*, Ph.D. (1966) University of Manchester, UK, Applied Mechanics, Stress Analysis.

Hassan Rashid, *Professor*, Ph.D. (1982) Alexandria University, Egypt, Applied Mechanics.

Khaled Mohamed Abdou, *Associate Professor*, Ph.D. (2003) De Montfort University, UK, Concurrent Engineering.

Mahmoud Z. El-Feki, *Professor*, Ph.D. (1988) Alexandria University, Egypt, Nuclear Engineering.

Mohamed Abou El-Azm, *Assistant Professor*, Ph.D. (2008) Ain Shams University, Egypt, Mechanical Power, CFD.

Mohamed A. Teamah, *Visiting Professor*, Ph.D. (1988) Faculty of Engineering, University of Alexandria, Egypt, Thermal Engineering.

Roushdy Hammouda, *Visiting Professor*, Ph.D. (1969) Odessa Technical Institute, USSR, Refrigeration and Air Conditioning.

Sohair F. Rezeka, *Visiting Professor*, Ph.D. (1984) Wayne State University, USA, Control systems and Mechatronics.

STAFF

Asia Mohamed Shaalan, Dean's Educational Office.

Aziza Abd EIFatah ElKhouly, Dean's Educational Office.

Dalia Mohamed Gomaa, Industrial and Management Engineering Department.

Doaa Yehia Khalil, Dean's Office.

Elham Ismail Azab, Marine Engineering Department.

Hala Gaber Ahmed ElMasry, Computer Engineering Department.

Hala Shaban EIFalah, Dean's Office.

Mona Shahin, General Secretary.

Nermeen Talat Moustafa, Architecture Engineering and Environmental Design Department.

Noha Fouad Mansour, Electronics and Communications Engineering Department.

Ragaa Mohamed ElHenawy, Construction and Building Engineering Department.

Randa Mongi Yassin, Electrical and Computer Control Engineering Department.

Samah Mourad ElNamr, General Secretary.

Samar Tarek Ragab Ezzat, Mechanical Engineering Department.

Shadia Ibrahim Ahmed, Electronics and Communications Engineering Department.

Dalia Mohamed ElMeniawi, Electronics and Communications Engineering Department.

Safaa Abdelhamid, Basic and Applied Science Department.

Doaa Hassan, Mechanical Engineering Department.

Marwa Aly Magdy, Marine Engineering Department.

ON LEAVE:

Ahmed F. El-Safty, *Professor*, Ph.D. (2001) Coventry University, UK, Renewable Energy, Absorption Air Conditioning.

Adel El-Menshawry, *Professor*, Ph.D. (1997), Alexandria University, Egypt, Tourism Urbanization.

Ahmed B. Elseragy, *Associate Professor*, Ph.D. (2003) University of Nottingham, UK, Sustainable Architecture and Environmental Design.

Alaa Abdel-Wahed Abdel-Bary, *Professor*, Ph.D. (1999) Zagazig University, Egypt, Applied Mathematics.

Amira M. Elnokaly, *Assistant Professor*, Ph.D. (2004) University of Nottingham, UK, Sustainable Architecture and Environmental Design.

Essam Abdel Aal, *Assistant Professor*, Ph.D. (2006) Cairo University, Egypt, Architectural Design.

Mohamed El-Kaftangui, *Assistant Professor*, Ph.D. (1991) Université de Toulouse, France, Environmental Engineering.

Yasser Farghaly, *Assistant Professor*, Ph.D. (2005) Alexandria University, Egypt, Architectural Education.

Abdel-Wahab Mohamed El-Abiad, *Professor*, Ph.D. (1987) Nebraska University, USA, Statistics and OR.

Walid Mohamed Rabie, *Associate Professor*, Ph.D. (2006) West Virginia University, Egypt, Computer Engineering.

Ibrahim Abdelhafiz, *Associate Professor*, Ph.D. (2006) Waterloo University, Canada, Pattern Analysis and Recognition.

Mohab Mangoud, *Associate Professor*, Ph.D. (2001) University of Bradford, UK, Communications Engineering.

Mohammed Moursy El Fahham, *Professor*, Ph.D. (1985) George Washington University, USA, Power Systems.

Walid Ghoneim, *Assistant Professor*, Ph.D. (2003) Heriot-Watt University, UK, Electrical Machines and Drives.

Essam H. Roushdy, *Professor*, Ph.D. (1979) Purdue University, USA, Industrial Engineering.

Mohamed Khamis, *Associate Professor*, Ph.D. (2004) University of Akron, USA, Quality Engineering and Material Science.

Moustafa Helaly, *Associate Professor*, Ph.D. (1981) Alexandria University, Egypt, Machines Operation and Maintenance.

El-Sayed Hegazy, *Professor*, Ph.D. (1973) University of Alexandria, Egypt, Structural Ship Design.