

## About of Faculty of Engineering, Cairo University

Returns the beginning of engineering education in Egypt to the year 1816, when he created the Mohammed "School Alengkhana" in the castle, which takes into account the composition gradient Fabtdot initial classes in the art of engineering.

- In 1834 opened a school in a regular Alengkhana in Bulaq, and continued by the study but was closed in September 1854.

- And then after that was established in December 1858 School of Engineering Irrigation Balguenatr charity, and the other for building the castle, but they also shut in the year 1861.

- In June 1866 opened a school for a comprehensive irrigation and architecture Sarayat saffron Abbassiya then transferred to the trail Aljmames in September 1867.

- In 1886, formed a pair knowledge of public agreement with the glasses of Public Works, the Committee passed a law, and an approach to school administration ruled that the school department for irrigation, and another for Architecture and the duration of the study in each of five years including a preparatory year, and make the specialization in the last two years. Was abolished after the junior year in 1892 and stayed for four years of study and specialization remained as it was in the last two years.

- In 1896, abolished the system of specialization, and made the school one section and continued operation of that system with some minor modifications made to it from time to time.

- In October 1902 the school moved temporarily to house the old School of Agriculture, Giza, and the subsequent establishment of the Royal School of Engineering Building (Building college now) and after completion of the buildings, the school moved to in 1905.

- In October 1908, the study was divided again into two parts for irrigation, architecture, making the specialty in the last two years as was the past.

- In 1916 a law was passed for the school to carve up the study into five sections: Irrigation - Architecture - Municipalities - mechanics - and electricity, and specialization in these sections in the last two years.

- In 1923, the Board of the form to the school administration is composed of

five members to supervise the teaching.

- In the summer of 1925, reorganized the school and has taken the first necessary step in the reform, and the establishment of buildings and terraces, and the expansion coefficient to match the increase in the number of students, and was even in 1927 the construction of two new labs for the Hydraulics and test materials as well as expand the laboratory of nature.

- In May 1926 a new law to regulate the school became a study in which the sections of four sections:

Civil Section - Department of Architecture - Mechanical Department - The Department of Industry.

Department of Civil and branch into six sections:

Irrigation - Municipalities - Bridges - ports - space - and railways.

The Mechanical Section fork into two branches:

Mechanics - and electricity. The Department of Industrial Chemistry has been postponed until after created.

- In 1928, Charles appointed Dr. Andrea headmaster of the school was before that a professor and dean of the School of Engineering in Zurich. In that year meant the development of new curriculum in the level of higher technical school curriculum in Europe.

- Has turned out to be Aitir for the implementation of this approach in the four years of study only. So attached to the school in 1929, Department of preparatory study period by one year.

- At the beginning of 1928, established a new laboratory machines heat the example labs of its kind in Europe, higher technical institutes, has begun work in this laboratory in 1931. In that year also set up workshops for the new school is equipped with latest machinery to train students to use and the various industrial methods.

- In December 1932 laying the foundation stone for the establishment of new power plant school property.

- In 1935, the annexation of property to the School of Engineering University of Egyptian and this turned her name to the College of Engineering to date.

- In 1942 began the study in the Department of Chemical Engineering and the first class graduated in 1946 and began graduate studies in the faculty.

- In 1944, the study began in the Divisions of Mines and Petroleum, and

graduated the first batch of graduates of Mines and Petroleum in 1947.

- In the year 1953 began the study of the Department of Aerospace Engineering function as stand-alone.
- In 1959, the study began in the Division of Metallurgy and graduated the first batch of graduates of metals in 1962.
- In 1960 began the study in the Department of Production Engineering.
- In 1965, a separate building was built for high-voltage contains a voltage coefficient of the batch and the ac voltage and electrical switches.
- In 1970, opened a new preparatory building.
- In the year 1972 was appointed the first agent of the respect of the affairs of the Faculty of Graduate Studies and Research.
- In 1974, opened a sports and social club for college and also used for conferences and seminars organized by the college.
- In 1976, the study began in the Department of Biomedical Engineering and the first class graduated in 1980.
- In 1985, activity began to energy research center and the college moved to its permanent base in 1991.
- In the year 1991 was the opening of a new building includes architectural and engineering departments of medical, public works, computer labs and automatic control and fluid mechanics.
- In the year 1993 was the opening of Computer Engineering function as stand-alone and the first class graduated in June 1997.

Has seen the College of Engineering (School of Alengkhana before) in more than one hundred and seventy years, Dean (or glasses) nearly thirty-five teachers all worked on the development of the educational process and the establishment of numerous sections and new scientific disciplines. At the beginning of the administration was growing up under the supervision of the school principal or dean, and the evolution of the increase in the number of

students and departments of the College and became an agent for the affairs of education, students, and another agent for Graduate Studies and Research. Since the school became Alengkhana to the College of Engineering in 1935 took over Dean until now dean of eighteen and twenty-two and agent for the Education and Student Affairs and six agents of Graduate Studies and Research and Okelan for Environmental Affairs and Community Service.

## History of Faculty of Engineering, Cairo University

The beginning of engineering education in Egypt dates back to the year 1816, when Mohammed Ali "Al-mohandes Khana school" in the castle, which started with primary classes in the art of engineering.

- On June 1866, a school was inaugurated to encumber irrigation and architecture at the saray of Zaafran at El-Abbaseya then it has been moved to Darb El- gamamiz on September 1867.
- In October 1902 the school moved temporarily to the old School of Agriculture at Giza, then after this the Royal School of Engineering building (the faculty's building now) was established.
- In 1991, a new building was inaugurated to comprise the Departments of Architecture, Medical engineering, Civil Engineering, and computer laboratories.
- In 1993, the Computer Engineering Department was inaugurated as an independent entity and its first class was graduated on June 1997.

## Mission of Faculty of Engineering, Cairo University

In the message window, the Cairo University Faculty of Engineering, the rehabilitation of a generation of engineers able to design, innovation and development in the construction sector and industry through advanced educational programs keep pace with rapid changes in the world, where the college is aware that their main mission is to achieve excellence for graduate students by maintaining high academic standards and behavior professional and moral obligation as well as equip them with the ability of an analytical mind and innovative side of practical skills and in particular through the provision of opportunities to learn science, engineering and technical applications of high quality to enable them to compete in the local market and globally.

The College adopts the philosophy of continuous development of graduate programs in all engineering disciplines to work on community service and resolving problems, providing opportunities for faculty research and development in the fields of engineering with the introduction of multiple new programs keep pace with the essential needs of society and maintain the integrity of the environment.

As the college has assumed the importance of participation in solving the national problems of the construction sector, industry, energy and infrastructure through consultancy services provided by research centers and special units in the various branches of engineering.

## Vision of Faculty of Engineering, Cairo University

The Faculty of Engineering, Cairo University rehabilitates a generation of engineers able to design, make innovations, and develop in the construction, industry and service sectors through advanced educational programs that keep up with rapid changes in the world. The college is aware that their main mission is to achieve excellence for graduate students through the maintenance of academic standards, professional behavior and moral conduct as well as teaching them analytical, intellectual, innovative, and practical skills and in particular through providing them opportunities to learn engineering sciences and technical applications of high quality to enable them to compete in local and global markets.

The College adopts the philosophy of continuous development of graduate programs in all engineering disciplines to work on community service and resolving problems. The faculty provides research and development opportunities in multiple engineering fields as well as developing new programs that keep up with the society essential needs and preserving the environment integrity.

The faculty also assumes the importance of participating in solving national problems of construction, industry, energy and infrastructure sectors through consulting services provided by research centers and special units in various branches of engineering.

College aims since it was established to provide opportunities to learn science, engineering and technical applications of high quality students from various sectors of Egyptian society and fraternal Arab countries and other countries and contribute to the profession of engineering and technical applications in Egypt.

The college aspires to achieve professional excellence for its graduates through continued development of the educational process in terms of study programs and modernizing and processing laboratories and raising the level of the staff members, training them to follow teaching and modern evaluation methods, using modern teaching aids, as well as conducting scientific research of high quality.

The overall goals are defined as follows:

- to produce graduates who specialized in the fields of engineering science and practical applications and technical service to every community in the framework of specialization.
- Conducting studies and research in the fields of engineering sciences and applied to work on the development of society and solve problems.
- contribute to the planning for the future by participating in development strategies.
- Develop mechanisms for the continued development of educational programs and performance appraisal.



## Goals of Faculty of Engineering, Cairo University

- 1 – Producing specialized graduates in engineering as well as practical and technical applications aiming at the community service.
- 2 - Conducting studies and research in engineering sciences and applications to work on the development of society and solving its problems.
- 3 – Contributing in planning for future through participating in setting development strategies.
- 4 – Setting continuous developing mechanisms for educational programs and performance evaluation.

Text of the message: --

The Faculty of Engineering at Cairo University s, always develop programs and upgrading of its graduates, scientific research and community services in order to contribute to the achievement of challenging tasks and achievements of the desired engineering community for the advancement of Egyptian industry, civil society and to maintain high academic standards and behavior of a distinguished career and commitment to congenital as well as graduates acquire the ability of mind analytical and innovative skills of the side of a particular process.

□ Management College: --

Chaired by the Dean Prof. Dr. / Wael Mohamed Khalil WM and manages college scientifically and administratively and financially, a representation before other bodies, assisted by the gentlemen agents: --

A. D. Mustafa Ahmed Mohamed Baraka

A. D. Said Hanafi Mohamed Hanafi Zuheiry

A. D. Sharif Ahmed Mourad

A. D. Essam El-Din Mohamed Aboul-Dahab

Professor / AR Abdel-Maksoud

Professor / Mustafa writer and Vice-Dean for Education and Student Affairs.

Vice Dean for Community Service and Environmental Development.

Vice Dean for Graduate Studies and Research.

General Supervisor of the educational process of the Faculty of the Secretary-General Sheikh Zayed College.

Assistant Secretary-General of the Faculty of Sheikh Zayed.

□ College Buildings: --

1 - the old administration building

2 - Administration Building (average)

3 - the new building (architecture)

4 - Building and Civil Department of Biomedical Engineering

5 - Mosque

6 - power plant

- 7 - included Alsawy
- 8 - Electrical Department
- 9 - Library
- 10 - Mechanical Department
- 11 - Laboratory temperature
- 12 - Faculty Club
- 13 - Workshops College
- 14 - Building a new mechanical engineering (design) 15 - Building Student Services and Program Credits
- 16 - Building UHV
- 17 - Building a new mechanical engineering (Athletics)
- 19 - Building car
- 20 - Building preparative
- 21 - a public park
- 22 - Building material properties and mechanics of soil and concrete laboratory
- 23 - Department of Irrigation and Hydraulics
- 24 - Department of Mining, Petroleum and Metallurgy
- 25 - Department of Chemistry
- 26 - Reinforced Concrete Building
- 27 - Building Foundations
- 28 - Aviation Section

□ Departments: --

The faculty consists of the following scientific sections: --

1 - Department of Mathematics and Physics

3 - Department of Structural Engineering

5 - Department of Public Works

7 - Department of Mechanical Design and Production

9 - Department of Electronics and Communications Department

11 - Department of Chemical Engineering

13 - Department of Biomedical Engineering and Systems 2 - Department of Architecture

4 - Department of Irrigation and Hydraulics

6 - Department of Mechanical Engineering

8 - Department of Aerospace Engineering

10 - Department of Electrical Power and Machines

12 - Department of Mining, Petroleum and Metallurgy

14 - Department of Computer Engineering

The Faculty in Sheikh Zayed City

In the academic year 2003/2004, he joined the ownership of the assets of the college, said new scientific equipped with the latest scientific and laboratory

systems in Sheikh Zayed City and we will provide you Dear Student Profile of the scientific edifice and all buildings, laboratories and equipment in it

First: building class:

It consists of building an educational landslide and recurrent roles and contains a number of 35 classroom capacity of 36 students per semester a total capacity of 1260 students and multi-purpose hall equipped with a machine, cine projectors with a capacity of 268 seats and the number two language lab with a capacity of each plant a 30 and two computer labs that either a student with a capacity of 36 device and the second administrative and five plants chemistry and physics and number two engineering drawing hall lounge area for each 132 square meters and twenty-two administrative office and the number of three rooms Hobbies drawing, electricity, carpentry and scientific library and a playground basketball.

Second: Building Workshop:

There is next to the classroom building are three buildings, Batik Technology Center and the building of production and the Central Laboratory, the area of each building of these buildings in 1150 2 has been equipped with a number of eight workshops: Workshop kit, workshop mechanics, electricity and workshop, workshop refrigeration and air conditioning, carpentry workshop, metal workshop, weaving workshop, the workshop architecture.

Third: the mosque:

It is based on a high degree of architecture and Islamic style and equipped with all audio equipment and can this mosque to about 200 worshipers.

Fourth: the stage:

The theater interior is equipped with all audio and visual equipment and display screens and the number 268 is equipped with a chair and offer him various student activities.

V.: Building terraces:

The building was established stands (a building which consists of educational roles landslide and recurrent), one of a group of buildings are created in succession on a piece of land allocated to the Faculty of Engineering and an area of about sixty thousand square meters for the Faculty of Sheikh Zayed and the process of completing the design and building of the remaining buildings, rest areas to support the teaching service.

VI: playgrounds and landscaping.

With a total area playgrounds and green spaces with the extension about 40 thousand square meters

Seventh: the cafeteria.

Was the establishment of a new cafeteria in the summer of 2009 to serve students, faculty and staff college branch in Sheikh Zayed City in front of the stands and a building hexagons than one role and around six hexagonal umbrellas provide cafeteria fast food, dry and hot and cold drinks.

سأهم بترجمة أفضل

Manager of Faculty of Engineering, Cairo University

Prof. Dr. / Wael Mohamed Dagawi	The Faculty Dean
Prof. Dr. / Mustafa Ahmed pool and	Vice Dean for Education and Student Affairs
Prof. Dr. / Sharif Ahmed Murad,	Vice Dean for Graduate Studies and Research
Prof. Dr. / Hanafi Zuhairi	Vice-Dean for Environmental Affairs and Community Development

Mr. / Ali Abu Shadi Reda	Finance
Ms. / Tahani Mohammad Hassanein	Announcement
Ms. / Mona Radwan Abdel-Salam	Personnel
Ms. / Nahed Ismail Ahmed	Director of the main offices
Ms. / Amina Abdel-Alim Hajjaj	Director of Legal Affairs
Mr. / Mohammed Abu-Fotouh	Education and Student Affairs
Ms. / not Ä Ahmed Hassan Abdel Aal	Management graduates
Mr. / Syed Mohammad Hamid	Public Relations
Ms. / Amal Ahmed Mostafa	Youth care
Mr. / Hassan Abdel-Ghani Dawy	Postgraduate
Ms. / Samira Ahmed Amin	Treasurer
Mr. / Abdul Salam Syed victor	Enrollment management and conservation
Mr. / Mohiuddin, Ismail	Cultural Relations
Ms. / Faten Mahmoud Hanafi	Research Department
Ms. / Salwa Ahmed Sallam	Faculty Club
Ms. / Laila Rashid Abdel-Moneim	Library Director
Ms. / Soad Abdel-Moneim	Training Department community service and development environment
Mr. / Abdul Moneim Mostafa Mostafa	Management training
Mr. / Ahmed Abdel Rahman Suleiman	College Press
Mr. / Adel Karim	Maintenance
Ms. / Inaam Hamid	The department of the faculty members
Mr. / Samir Amin Messiah College	



## Word of Faculty of Engineering, Cairo University

Sons and daughters, students of the Faculty of Engineering

I am pleased to congratulate you for your first academic year of your life. I also congratulate you for having chosen the career of engineering.

Remember, you are the future engineers who are responsible for raising the country. You are the descendants of the builders of great civilizations and you are required to place our homeland, Egypt, in the forefront among the nations of modern civilization.

I assure you that the opportunity is still available to you as your professors are the elite of the faculty members not only in Egypt, but also in the Middle East. They have offered to Egypt and the Arab world the greatest engineering projects, and have participated in the development plans since the establishment of the college in 1816. You should be able to benefit from their knowledge and experience. Success begins with interaction with professors in lectures and being engaged in training in laboratories, workshops, drawing halls, and exercises, as well as continued pursuit of the latest technology through computers network. I assure you that we all work on the rehabilitation of young engineers to work in their fields achieving what will benefit him, his family and homeland.

## Address of Faculty of Engineering, Cairo University

Address: Headquarters Department of the College and Address  
Cairo University - Faculty of Engineering - University Street, Giza, Postal  
Code 12316

Phone 35710571 - Fax 35723486