

# INTRODUCTION

## **Firstly:** Aims of the Faculty of Engineering.

Engineering is the profession in which the knowledge of all basic sciences (Mathematics, Physics, Chemistry...etc) and that earned from engineering studies, experience and practice are applied to develop, and to create methods, machinery and equipment with the optimum use of materials and natural resources for the benefit of the human community.

Therefore, the Faculty of Engineering aims at achieving the following objectives:

- To prepare a graduate capable of applying the Engineering Sciences and their methods to the practical life.
- To prepare a graduate capable of making decisions and dealing with problems.
- To prepare a graduate familiar with the means of the new technologies and information technology and how to deal with them.
- To prepare a graduate capable of competing in the workplace under the new and changing circumstances of the international community.
- To help in the preparation of scientific experts in all disciplines present at the Faculty of Engineering.
- To help in the development of society and environment through the participation in offering scientific solutions to existing problems via research work.

## **Secondly:** The timeline of the Faculty of Engineering and its scientific departments.

- 1941** The Faculty of Engineering – Cairo University established its branch in Alexandria.
- 1942** The emanation of law ordinance No. 32 for the year 1942 for founding Alexandria University.
- 1942** The inception of the education in of the preparatory year and the first year (Architecture, Civil Engineering, Electrical and Mechanical Engineering)
- 1946** Establishing the department of Sanitary Engineering and Municipalities.
- 1953** Establishing the department of Chemical Engineering
- 1960** Establishing the departments of Mechanical Power Engineering, and Weaving & Textile Engineering.
- 1961** Establishing the department of Marine Engineering.
- 1963** Establishing the department of Production Engineering.
- 1964** Establishing the department of Nuclear Engineering.
- 1974** Establishing the department of Computer Science and Automatic Control.



**Thirdly:** The timeline of the bylaws of the Faculty of Engineering:

- 1942** The emanation of law ordinance No. 32 for the year 1942 for founding Alexandria University.
- 1954** The emanation of the law No. 626 for the year 1954 of the principal internal bylaw of the Faculty of Engineering.
- 1956** The emanation of the presidential decree No. 216 for the year 1956 for the executive bylaw of the law of organizing Universities No. 345 for the year 1956 including the internal bylaws of the Faculty of Engineering.
- 1959** The emanation of the presidential decree No. 1911 for the year 1959 for the executive bylaw of the law of organizing Universities in the United Arab Republic No. 184 for the year 1958 including internal bylaws of the Faculty of Engineering.
- 1974** The emanation of the ministerial decree No. 700 for the year 1974 with the internal bylaw of the Faculty of Engineering.
- 1994** The emanation of the ministerial decree No. 25 for the year 1994 concerning amendment of the internal bylaw of the Faculty of Engineering
- 1997** The emanation of the ministerial decree No. 8 for the year 1997 with the internal bylaw of the Faculty of Engineering
- 2003** The emanation of the ministerial decree No. 1633 for the year 2003 with the internal bylaw of the Faculty of Engineering