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Faculty of Engineering and  
Technology

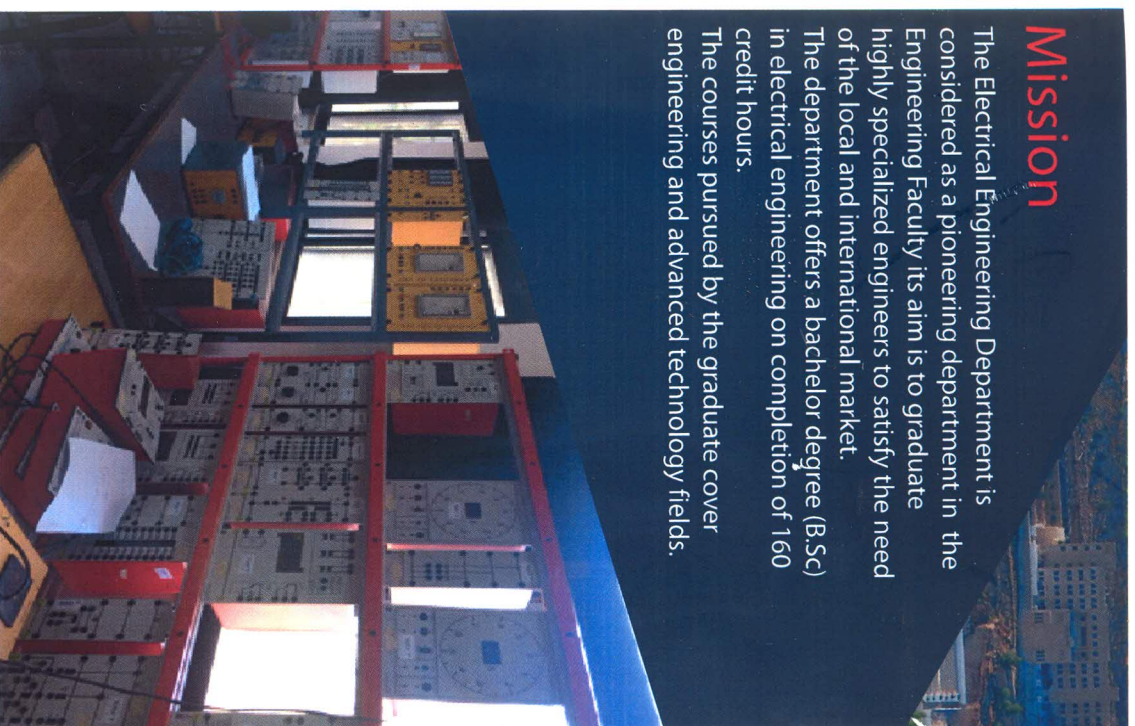
Electrical Engineering  
Department

September-2018



# Mission

The Electrical Engineering Department is considered as a pioneering department in the Engineering Faculty its aim is to graduate highly specialized engineers to satisfy the need of the local and international market. The department offers a bachelor degree (B.Sc) in electrical engineering on completion of 160 credit hours. The courses pursued by the graduate cover engineering and advanced technology fields.



The courses develop the scientific level of the student and provide the abilities to interact with the requirements of the work market and to perform engineering design and development in the field of specialization. The department was established in 1991. All theoretical courses are supported by scientific laboratories such as machines lab, measurements and instrumentation lab, control lab, communications and electronics lab, power lab and computer lab.

## Objectives

On the whole the curricula in the department aim to graduate successful engineers able to play an active part in engineering projects that include power and control.

The electrical engineering program aims to graduate students with the following abilities:

- A strong background in mathematics and physical sciences and a good understanding of their importance to electrical and computer engineering disciplines.
- An ability to formulate problems, design experiments, collect, analyze and interpret data and use this knowledge to design a system, component, or process to meet desired needs.
- An ability to function in multi-disciplinary teams.
- An understanding of professional and ethical responsibility.
- Proficiency in oral and written communications.
- A broad education necessary to understand contemporary issues and the global impact of engineering and technological developments in societal text.
- A clear understanding that lifelong learning is essential for sustained professional development.
- An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
- An ability to recognize a problem, formulate different strategies to understand the problem and use engineering principles for its solution.

