Faculty of Engineering

Department of Computer Engineering (CE)

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Overview

The Department of Computer Engineering was established in September 1992 to meet the market demand for qualified computer engineers both locally and regionally. Since the date of establishment, the total number of 610 undergraduate students enrolled in the department. Our efforts are focused on providing students with the necessary knowledge and experience that enable them to compete in the labor market of the 21st century. More than 540 engineers have graduated from the department and are serving their communities by working in private corporations or local governments. The department has qualified and experienced full-time faculty members consisting of 1 associate professor, 3 assistant professors, 1 lecturer, 2 laboratory engineers, and one technician. The Department of Computer Engineering has a range of well-equipped laboratories such as Embedded Systems lab, Microprocessors lab, Computer Networks lab, Computer Architecture lab, Digital Logic Circuits and Advanced Digital Design labs. The department constantly updates its program to meet the future needs. In this context, the department has established a system that conforms to the highest academic standards.

Mission

Our mission is to prepare distinguished graduates equipped with state-of -the-art skills that meet the need of marketplace locally and regionally and to encourage scientific research in the discipline.

Program Educational Objectives (PEOs)

PEO1: Analyzing and providing solutions to challenging problems in professional career using computer engineering theory and practice.

PEO2: Adapting, successfully, to technical changes in the chosen field and occupation.

PEO3: Functioning independently, communicating effectively and working collaboratively with professionalism and ethical responsibility.

PEO4: Providing technical leadership for business, profession and community.

Student Outcomes (SOs)

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Mapping Between PEOs & SOs

PEOs	Computer Engineering SO's						
	1	2	3	4	5	6	7
1	■	■	☐	☐	◙	☐	■
2	◙	■	☐	◙	◙	◙	■
3	☐	☐	■	■	■	☐	☐
4	☐	◙	■	☐	◙	■	■

■ Strongly correlated   ◙ Moderately correlated   ☐ Somewhat correlated