Bachelor of Science in Information Technology

Program Educational Objectives

1. Obtain positions as information technology professionals in various industries and government agencies that are involved in the creation, maintenance and use of computers, computer networks and computer information systems.
2. Information technology professionals should be able to work effectively at planning, implementation, configuration, and maintenance of an organization’s computing infrastructure.
3. Graduates will be aware of cultural, social, legal, and ethical issues in the discipline of computing.

Outcomes

Graduates holding a master’s degree in Information Technology from USEK will be able to:

a. Apply computing knowledge and mathematics appropriate to the discipline.
b. Analyse a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
d. Effectively function in teams to accomplish a common goal.
e. Understand professional, ethical, legal, security and social issues and responsibilities.
f. Communicate effectively with a range of audiences.
g. Analyse the local and global impact of computing on individuals, organizations, and society.
h. Recognize the need for and to be able to engage in continuing professional development.
i. Use current techniques, skills, and tools necessary for computing practice.
j. Use and apply current technical concepts and practices in the core of information technologies.
k. Identify and analyse user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
l. Effectively integrate IT-based solutions into the user environment.
m. Understand the best practices and standards and their application.
n. Assist in the creation of an effective project plan.