Vision, Mission and Objectives

Building an outstanding teaching environment that empowers the graduates in professional computing and contributes in development of an informatics knowledge society.

Providing higher outstanding education to acquire graduates sufficient skills and knowledge to communicate and work effectively in teamwork through scientific environment to compete in labor market .

General Objective:

The general objective of the program is to produce high quality graduate having analytical, interpersonal skills with entrepreneurial and computer-based problem-solving mindset.

1) Prepare graduates, who are entering immediately into professions upon graduation, to be capable of performing duties on an entry-level computing-related position.
2) Enable graduates to pursue graduate studies to successfully complete an advanced degree.
3) Enhance graduates to work as individuals with minimum guidance and as leaders or members of a team.

4) Encourage graduates to follow appropriate practices within a professional, legal, and ethical framework.

5) Prepare graduates to recognize the need for and be capable of pursuing life-long learning.development lifecycle , analyze and test computer systems.

Relationship Between Goals and Objectives:

1. *Learning Goal:* Prepare graduates, who are entering immediately into professions upon graduation, to be capable of performing duties on an entry-level computing-related position.

Objectives: Students will:

a. acquire the computer science knowledge required for graduate studies;

b. understand the architecture, organization and programming of modern computing systems; and

c. understand the mathematical foundations of computer science, algorithm efficiency and computational complexity.

2. *Learning Goal:* Enable graduates to pursue graduate studies to successfully complete an advanced degree.

Objectives: Students will:

a. acquire the skills to design, evaluate, and/or implement research or scholarly projects;

b. learn how to carry out research effectively; and

c. enable to conduct advanced and creative research themselves

3. *Learning Goal:* Enhance graduates to work as individuals with minimum guidance and as leaders or members of a team.

Objectives: Students will:

a. Communicate effectively with a range of audiences; and
b. Function effectively on multidisciplinary teams to accomplish a common goal.

4. *Learning Goal:* Encourage graduates to follow appropriate practices within a professional, legal, and ethical framework.

Objectives: Students will:

a. be able to evaluate potential ethical dilemmas and apply decision-making techniques to resolve them; and
b. Understand the professional, ethical, legal, security and social issues and responsibilities;

5. *Learning Goal:* Prepare graduates to recognize the need for and be capable of pursuing life-long learning.

Objectives: Students will:

a. be aware of the rapid rate of change of technology and methodologies in computer science;
b. be familiar with ways to gain knowledge and understanding of new developments in computer science and technology; and
c. be aware of alternatives for continuing education in computer science.