



Fayoum University
Faculty of Computers & Information
Second Term 2019/2020

Course Name: Professional Ethics & Legal Aspects Course Code: GEN 216

Course Level: 2nd Year

Course Dr. Name: Mary Monir

Status: Pass Not Pass:

Question 1: Choose one of the following topics for your research:

Topic 1: The development of computers and network technology

- Explain how computers evolved from simple manual calculation aids to complex microprocessors. Also, explain how networks evolved from the start with the telegraph and reached a climax create an email system that connects over a billion users. Finally, discuss some of the ethical issues that have arisen from the deployment of information technology.

Topic 2: Ethical issues associated with the use of the Internet and Phone system.

- Focus on email, the most popular internet application. Discuss how the increase in spam has degraded the quality of email service.
- Explain how the World Wide Web has proven to be the most popular way of organizing information on the Internet and millions of people are using the Web-based social networking service Twitter to communicate with each other.
- List the different kinds of censorship of the Internet, the challenges posed to censorship by the Internet, and the morality of censorship.

Topic 3: Intellectual Property

- Intellectual property rights
- Protecting intellectual property
- Fair use
- Peer-to-peer networks
- Protections for software
- Open-source software

Topic 4: Key Privacy and Anonymity Issues

- Identity theft
- Electronic discovery
- Consumer profiling
- Treating customer data responsibly
- Workplace monitoring
- Advanced surveillance technology

Topic 5: computer attacks

- Types of attacks
 - Virus
 - Worm
 - Trojan horse
 - Distributed denial of service
 - Rootkit
 - Spam
 - Phishing

Question 2: Choose one of the following scenarios:

Scenario 1:

Alexis, a gifted high school student, wants to become a doctor. Because she comes from a poor family, she will need a scholarship in order to attend college.

Some of her classes require students to do extra research projects in order to get an A. Her high school has a few older PCs, but there are always long lines of students waiting to use them during the school day. After school, she usually works at a part-time job to help support her family.

One evening Alexis visits the library of a private college a few miles from her family's apartment, and she finds plenty of unused PCs connected to the Internet. She surreptitiously looks over the shoulder of another student to learn a valid login/password combination. Alexis returns to the library several times a week, and by using its PCs and printers she efficiently completes the extra research projects, graduates from high school with straight A's, and gets a full ride scholarship to attend a prestigious university.

Evaluate the following scenario using the 2nd Formulations of the Categorical Imperative of Kantianism and Act utilitarian?

Scenario 2:

Your old roommate from college was recently go from his firm during a wave of employee terminations to reduce cost. You kept in touch over the six years since school, and he asked you to help him get the position in the IT organization where you work. You offered to review his resume, make sure that it gets to the “right person”, and even put in a good word for him. However, as you read the resume, it is obvious that your friend has greatly exaggerated his accomplishment at his former place of work and even added some IT-related certification that you are sure he never earned. What would you do?

Scenario 3:

You are a member of the IT security support group of a large manufacturing company. You have been awakened late at night and informed that someone has defaced your organization's web site and also attempted to gain access to computer files containing information about a new product currently under development. What are your next steps? How much effort would you spend in tracking down the identity of the hacker?

Scenario 4:

Sam is a hard working employee at a successful marketing firm. He takes care of his wife and 3 kids. Recently, his elderly parents asked for his help financially and they need him to transfer money to them on a monthly basis. Sam found another part-time job that requires him to sometimes work at the same time as his original job at the marketing firm. Sam decided that he will purchase a medical absence leave from an unethical doctor every time he needs to be absent from his original job.

Evaluate the following scenario using the 1st AND 2nd Formulations of the Categorical Imperative of Kantianism.

- يختار الطالب احد الموضوعات عاليه لاجراء مقالة بحثية
- يكتب البحث الكترونياً ويرسل كملف واحد بصيغة PDF على البريد الالكتروني لاستاذ المقرر عاليه على ان يسمى الملف وكذلك موضوع البريد الالكتروني باسم الطالب ثلاثي والمقرر.
- سيتم رفض البحوث المتشابهة جزئيا او كليا ويعتبر الطلاب المتقدمون بها راسبين في هذه المادة
- الموضوعات المطروحة هي لما تم تدريسه سواء عن بعد او قبل تعليق الدراسة.