**Course Information**

*Ethics for Computer Professionals: COMP401 : 1 credit hour: Pre-requisite COMP220*

**Office Hours:**  Monday, Wednesday, Friday from 1:00 pm to 2:00 pm.

**Online Resources:**

* Lecture slides and notes
* Short stories by Isaac Asimov
* Recorded lectures
* Recommended book (Ethics for Information Age by Michael J. Quinn)
* Related video links

**Course Contents:**

Ethics and Moral, Theories of ethics, What is computer ethic, evolution and historical view of computer ethics, professionals, computer professionals, profession vs occupation, professional relationships, Code of ethics, Ethics and Internet, netiquettes, Property rights intellectual property rights, Privacy, Copyright laws, Patents and trade secrecy..

**Course Objectives:**

To give students a chance to reflect on the humanitarian, social, and cultural impact of computer technology by focusing on ethical issues faced by and brought about by computing professionals, including those related to networking and the internet, intellectual property, privacy, security, reliability, and liability.

**Learning Outcomes**

* Knowledge of ethical theories
* Professional ethical behavior
* Knowledge of historical aspects and importance of computing ethics
* Knowledge of computing ethics as professional
* Deep down learning of ethical aspects in use of computer and information

technology

* Defining ethical solutions for technological innovations in computing.
* Writing of code of ethics for computing domain in particular

**Course requirements**

* Students are expected to watch every video and read the notes uploaded on Moodle.
* Assignments shall be uploaded on Moodle and instructions to complete these assignments will be provided.
* Students are required to upload completed assignments with in the due dates
* I am available to help you with your problems during my office hours, as well as through email regarding your problems.
* Academic dishonesty or cheating will result in zero points and will be referred to AIC (Academic Integrity Committee) at FCC for necessary action.

**Assessment Scheme:**

Students shall be assessed through:

* Quizzes
* Assignments
* Term paper
* Final Examination

Announcements will be made on Moodle before assignment and term paper are due. They will also be intimated through email by the TA of the course. Before quizzes and submission of assignment, students should read the lecture notes/slides, given reading material and watch the uploaded videos for the given week.

**Course Evaluation:**

Quizzes: 15%

Assignment: 15%

Term Paper: 30%

Final examination 40%

**Course Plan:**

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| **Week** | **Topics** | **Assessment** |
| **1 to 3** | Introduction to ethics, types of ethics,  Ethical theories |  |
| **4 to 6** | Applied Ethics, Personal ethics, integrity, Important tests for integrity, Forms of lies. Why study Computer ethics, Aspects of computer ethics, nature of computer ethics, evolution of computer ethics, challenges of computer ethic, historical background of computer ethics | Assignment |
| **7 to 8** | **Professional Ethics:** Defining Profession; computing as profession?; Professional vs. Occupational roles, Why Professional Ethics; Code of Ethics and Professional Conduct;  Professional Relationships; Collective Responsibility;  Issues with code of ethics | Quiz |
| **9 to 10** | Ethics and Internet: Morally significant properties; Hacking and Hacker Ethics**;**  **Netiquettes**, Policy Approaches | Assignment |
| **11 to 12** | Privacy: Defining ‘Privacy’; Understanding Issues of “Computer and privacy”; Information Privacy; Social Good; Global perspective; | Term paper |
| **13 & 14** | Property rights in Computer and Software, Thinking of software as intellectual property: Copyright law; Patent law; Trade secrecy | Quiz |