

<b>Ethics and Professional Practice</b>	Code & No:	IT 481
	Credits:	2(2,0,0)
	Pre-requisite:	<u>90 Credits</u>
	Co-requisite:	None
	Level:	7

**Course Description:**

This course will develop the ethical foundations of good professional practice in information technology. It will provide the necessary background of ethical theories and practices, and discuss the role of professional organizations in maintaining such practice, specifically in the information technology industry. Also, It considers legislation that applies in the information technology industry, including major areas of ethical related in information technology, such as, software ownership, data privacy, and computer cracking

**Course Aims:**

1. Present knowledge of different kinds of ethical arguments
2. Understand the codes of conduct
3. Recognize potential health and safety issues in computing
4. Understand the need for making web pages accessible
5. Understand the dangers in computer cracking
6. Understand the nature of privacy and how it is protected.
7. Understand the property laws and the legal mechanisms of protecting software as property

**Student Outcomes (SOs):**

- (a) An ability to apply knowledge of computing and mathematics appropriate to the program's student outcomes and to the discipline
- (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
- (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
- (d) An ability to function effectively on teams to accomplish a common goal
- (e) An understanding of professional, ethical, legal, security and social issues and responsibilities
- (f) An ability to communicate effectively with a range of audiences



CLO2					√									
CLO3					√									
CLO4					√									
CLO5									√					
CLO6					√									
CLO7		√												
CLO8					√									

No.	Topics	Weeks	Teaching hours
1	Ethical theories: authoritarian, intuitionist, egoist, utilitarian, and deontologist,	2	4
2	The advantages and disadvantages of the two main theories: utilitarian and deontological	1	2
3	In context examine the parameters and complexities of ethical practice in various health care contexts, ethical Principals define distinguish and apply the ethical principle of autonomy, on- malfeasance, beneficence, justice, fidelity, veracity,	3	6
4	team, institutional and societal value commitments in light of changing contexts of practice, moral agency, ethics of care, narrative ethics, justice ethical deliberation	2	4
5	ethical tensions: distinguish between various types of ethical tensions including ethical uncertainty, theories,	2	4
6	Support diversity in communication ,knowledge of self and other, Engage in effective dialogue	2	4

<b>7</b>	privacy and confidentiality values : identify and critically consider personal, professional,	2	4
	Total	14	28

**Textbook:**

- Joseph M. Kizza: "Ethical and social issues in Information Age" 5<sup>th</sup> Edition Springer 2013.

**Essential references:**

- Joseph M. Kizza: "Ethical and social issues in Information Age" 5<sup>th</sup> Edition Springer 2013.