

| General Information | | | | | | |
|---|----------|--------------------|-----------------------------------|--|------------|---|
| Course Code | ITEC-462 | Level/Year | 8 th / 4 th | Required (R) / Selected Elective (SE) | | R |
| Credit Hours | Theory | 2 | Lab | 1 | Total | 3 |
| Prerequisites | Nil | Course Coordinator | | Mr. Syed Ghyasuddin Hashmi | | |
| Corequisites | Nil | Track Leader | | Dr. Rahma Salman | | |
| Course Description | | | | | | |
| <p>This course will examine the ethical issues that arise as a result of increasing use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users. This course will stress the ways in which computers challenge traditional ethical and philosophical concepts, and raise old issues in a new way. This course is designed to educate existing and future business managers and IT professionals on the tremendous impact ethical issues play in the use of information technology in the modern business world. The topics covered in this course are extremely current and relevant to anyone preparing to enter the field of IT. This course will give students the foundation they need to make appropriate decisions when faced with difficult situations and make a positive impact in the field of information technology.</p> | | | | | | |
| Course Objectives : On completion of the course, the student will be able to: | | | | | | |
| <ul style="list-style-type: none"> • Acquire a broad perspective on the social and ethical impacts and implications of information technology. • Gain specific knowledge about major issues in several different areas in the field of Computer Ethics. • Grasp in-depth knowledge of at least one significant ethical issue generated by information technology. • Develop skills in clarifying and ethically analysing realistic cases that involves in information technology. • Exercise and improve their skills in critical and analytical writing. | | | | | | |
| Course Contents | | | | | | |
| List of Topics | | | | | Weeks | |
| CH 1: Fundamental of Ethics | | | | | 1,2 | |
| CH 2: Computer and Internet Crime & Privacy | | | | | 3, 4, 5 | |
| CH 3: Ethics of IT organizations | | | | | 5, 6, 7 | |
| CH 4: Impact of IT on productivity & quality of life | | | | | 8, 9, 10 | |
| CH 5: Intellectual Property | | | | | 10, 11, 12 | |
| CH 6: Software Development | | | | | 13, 14, 15 | |
| Textbook | | | | | | |
| <ul style="list-style-type: none"> • Elmasri, R., Navathe, S., and Navathe, B., “Fundamentals of Database Systems”, Pearson New International Edition, 7th Edition, ISBN-10: 0133970779 ISBN-13: 9780133970777, 2016. | | | | | | |

| Reference Materials | | | | | | |
|---|--|--------|------|------------|------|------------|
| <ul style="list-style-type: none">Ethics for the Information Age, 2/E Michael J. Quinn, ISBN,10:0321375262 ISBN,13: 9780321375261 Publisher: Addison, Wesley Copyright: 2015. | | | | | | |
| Course Learning Outcomes | | | | | | |
| CLO | Description | | | | | Mapped PI |
| CLO#01 | Define the fundamental concepts of ethics, including morals, ethics and laws, professional codes of ethics, and ethical considerations in decision-making. | | | | | PI 1.1 |
| CLO#02 | Explain the wide-ranging social and ethical effects and consequences of information technology. | | | | | PI 1.2 |
| CLO#03 | Recognize ethical standards and societal needs in designing computer-based systems, processes, components, or programs. | | | | | PI 2.1 |
| CLO#04 | Compare and analyze specific knowledge about major issues in various areas of computer ethics. | | | | | PI 2.2 |
| CLO#05 | Demonstrate awareness of the ethical, legal considerations affecting computing practices and their societal impact. | | | | | PI 4.1,4.3 |
| CLO#06 | Apply ethical frameworks and codes of conduct to resolve professional and technical issues responsibly and with social consciousness. | | | | | PI 4.2 |
| CLO-PI-SO Mapping | | | | | | |
| | SO-1 | SO-2 | SO-3 | SO-4 | SO-5 | SO-6 |
| CLO#01 | PI 1.1 | - | - | - | - | - |
| CLO#02 | PI 1.2 | - | - | - | - | - |
| CLO#03 | - | PI 2.1 | - | - | - | - |
| CLO#04 | - | PI 2.2 | - | - | - | - |
| CLO#05 | - | - | - | PI 4.1,4.3 | - | - |
| CLO#06 | - | - | - | PI 4.2 | - | - |