Your Partner for Excellence

Texas

College of Management & IT

BIT COURSE MODULE HANDSOUT

Complete Study Guide

BIT FIFTH SEMESTER

Social & Professional issues in Computing

Lecture/ Workshop Module for BIT Fifth Semester
Basic Lecture/ Tutor/ Workshop Curriculum

Course Learning Objectives (CLOs)	(K) Knowledge (S) Skill (A) Attitude
1. Understand the basic idea of catalyst for change, milestone in computing and networking, and milestone in information storage and retrieval.	K, S
2. Understanding and apply sense of ethics, understand the ethical perspectives, And concept of justice and social contract theory	K, A
3. Manage privacy, privacy rights, norms and attitudes.	S, A,
4. Intellectual property rights, trade secrets, patents and copyright, fair use and restrictions	S, A
5. Provide effective learning about network communications, email and spam. Internet Addiction	S, A
6. Apply a sense of ethics and general compliance while addressing the value of diversity in managing e-commerce initiatives of an institution.	K, S, A
7. Understanding the concept of cyber ethics and code of conducts. Use the concept and implement for professional	K, S
8. Understand the dimensions of an Internet security governance, and managerial policy	K

CLO & PLO Mapping:

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
CLO 1	X	X				X
CLO 2	X	X	X			X
CLO 3		X	X			
CLO 4			X	X	X	
CLO 5			X		X	X
CLO 6						X
CLO 7					X	
CLO 8					X	

Chapter 1: Introduction to catalysts for change

- ❖ Introduction and brief history of milestone change in computing
- ❖ networking
- ❖ Understanding milestone in information retrieval

Assessment 1: Identify and describe significant milestones in the history of computing, networking, and information storage and retrieval. **– CLO 1**
Assessment 2: Analyze the impact of key milestones on the development and advancement of computing technologies. -**CLO 2**
Activity I: Historical Perspective: Demonstrate a comprehensive understanding of the historical milestones in the fields of computing, networking, and information storage and retrieval, and their impact on the evolution of technology. [**PLO 1**]
 *[**Assignment/Assessment/Activity deadline: End of Week + 2 Days]*

1.   Week 3/4

Chapter 2: Introduction to ethics

- ❖ Ethical Perspectives
- ❖ Relativism, Divine command
- ❖ Egoism, Kant and Deontology
- ❖ Utilitarianism
- ❖ Justice and social contract theory

Assessment I (Live Class): Identify and describe different ethical perspectives, such as relativism, divine command theory, egoism, Kantian deontology, utilitarianism, and justice/social contract theory. **CLO1**
Assessment 2. Evaluate the strengths and weaknesses of each ethical perspective in terms of their ability to provide guidance for ethical decision-making. **CLO2**
Assessment 3. Analyze case studies or scenarios from different ethical perspectives and apply relevant ethical principles to make informed and justified ethical judgments. **CLO3**
Assessment 4. Compare and contrast the key principles, assumptions, and implications of various ethical perspectives. **PLO2**

2.   Week 5/6:

Chapter 3: Privacy

- ❖ Defining privacy
- ❖ Privacy rights
- ❖ Safeguarding privacy
- ❖ Privacy norms and attitudes
- ❖ Perspectives on Privacy
- ❖ Disclosure, Public Information,
- ❖ Public Records and U.S
- ❖ Legislation

- ❖ Covert Surveillance and Wiretapping
- ❖ Data Mining and Identity Theft

Assignment I: Define and explain the concept of privacy, recognizing its multifaceted nature and its importance in personal, organizational, and societal contexts. **CLO2**

Assignment II: Understand the legal and ethical principles underpinning privacy rights, including the right to be free from intrusion, surveillance, and unauthorized disclosure of personal information. **CLO3**

Assignment III: Evaluate the implications of technological advancements on privacy, including the challenges posed by data mining, identity theft, and covert surveillance. **CLO4**

Assignment IV: Analyze the various perspectives on privacy, considering cultural, historical, and philosophical factors that shape privacy norms and attitudes. **CLO5**

Assignment V: Recognize the importance of safeguarding privacy through organizational policies, practices, and technical measures. **PLO3**

Chapter 4: Intellectual Property

- ❖ Intellectual property rights, Trade Secrets, patents and copyright
- ❖ Fair use and restrictions
- ❖ Peer-to-peer protections, Open
- ❖ Source

Short Question 1: Define and explain the concept of intellectual property (IP) and its importance in various industries and creative endeavors. **[CLO 4]**

Assignment I: Identify and differentiate different types of intellectual property, including copyrights, trademarks, patents, and trade secrets. **PLO4**

WEEK 5/6:

Chapter 5: Networked Communications:(16)

- ❖ Email and Spam
- ❖ Censorship and freedom of expression
- ❖ Children and Inappropriate content trust on the Internet,
- ❖ Internet Addiction

Assignment I: Understand the functionality and implications of email systems, including the advantages and challenges associated with email communication. **CLO4**

Assignment II: Evaluate the ethical and legal considerations related to spam, recognizing its impact on privacy, security, and the effectiveness of communication. **CLO5**

Assignment III: Analyze the ethical dimensions of censorship and freedom of expression in the context of networked communications, considering the role of governments, organizations, and individuals in regulating and controlling information flow. **PLO5**

WEEK 7/8:

Chapter 6: Cyber Law

- ❖ Introduction to Cyber law
- ❖ Constitutional Foundations of Cyber Law

- ❖ Intellectual property related to cybersecurity
- ❖ Privacy laws
- ❖ Data security laws

Assignment I: Define and explain the concept of cyber law, its scope, and its importance in regulating cyberspace and digital activities. **CLO5**

Assignment I I: Understand the historical and contextual factors that have led to the emergence of cyber law as a distinct legal field. **CLO6**

Assignment III: Analyze the key principles and objectives of cyber law, including the protection of digital rights, prevention of cybercrimes, and facilitation of electronic commerce. **PLO6**

Chapter 7: Cyber Ethics

- ❖ Professional ethics and codes of conducts
- ❖ Ethics and equity/diversity

Assignment I : Examine and understand the importance of professional ethics in various fields and industries. **CLO5**

Assignment II : Identify and analyze the key principles and values embedded in professional codes of conduct. **PLO5**

WEEK 9/10:

Chapter 8: Security Governance

- ❖ Concept of Security Governance
- ❖ Effective and board level
- ❖ communications
- ❖ IT Compliance
- ❖ Managerial Policy

Assignment I: Define and explain the concept of security governance, including its purpose, principles, and components within an organizational context. **CLO 6**

Assignment 2: Evaluate the importance of effective and board-level communication in security governance, recognizing its role in establishing a security-aware culture and aligning security initiatives with business objectives. **CLO 7**

Assignment 3: Assess the requirements and implications of IT compliance within security governance frameworks, including legal and regulatory obligations, industry standards, and best practices. **PLO 5**

WEEK 11/12:

Course Summary & Presentation [Project Submission/ Final Presentation]

This completes **Social & Professional Issues in Computing** Module Requirements.