

CAP316:COMPUTING PROFESSIONAL PRACTICES AND ETHICS

L:2 T:0 P:0 Credits:2

Course Outcomes: Through this course students should be able to

- analyze the issues related to privacy and confidentiality as they relate to information technology
- trace the ethical issues associated with gathering, storing and accessing genetic information in databases
- illustrate the issues related to intellectual freedom, intellectual property, and copyright law as they relate to electronic publishing

Unit I

An Overview of Ethics for IT Workers and IT Users : What Is Ethics?, Ethics in the Business World, Including Ethical Considerations in Decision Making, IT Professionals and IT Users, IT Security Incidents - A Major Concern, Implementation of Trustworthy Computing

Unit II

Privacy and Freedom of Expression : Privacy Protection and the Law, Key Privacy and Anonymity Issues, First Amendment Rights, Freedom of Expression: Key Issues

Unit III

Consumer Affairs under Consumer Protection Act: : Introduction to CPA, objectives of CPA, Who is a consumer, Rights of Consumer, Redressal Agency, Councils, Case Studies

Unit IV

Intellectual Property and Software Development : Intellectual Property and Copyrights, Patents and Trade Secrets, Strategies for Engineering Quality Software

Unit V

Information Technology on Productivity and Quality of Life : The Impact of IT on the Standard of Living and Worker Productivity, The Impact of IT on HealthCare Costs

Unit VI

Social Networking and Ethics of IT Organizations : Social Networking Web Site, Business Applications of Online Social Networking, Social Networking Ethical Issues, Contingent Workers and H-1B Workers

Text Books:

1. ETHICS IN INFORMATION TECHNOLOGY by GEORGE REYNOLDS, CENGAGE LEARNING

References:

1. CONSUMER AFFAIRS AND CONSUMER CARE by DR. SHEETAL KAPOOR, PAPERBACK
2. PROFESSIONAL ETHICS by R. SUBRAMANIAN, Oxford Paperbacks