ETHICS IN INFORMATION TECHNOLOGY

UNIT I: An overview of Ethics: Ethics in business world, Ethics in IT, Ethics for IT professionals and IT users, IT professionals, Ethical behavior, IT professional malprac tices, IT users.

UNIT II: Computer and Internet Crime: IT security incidents: Increasing Complexity Increases Vulnerability, Higher Computer user Expec tations, Expanding and changing systems. Introduces new risks, Increased Reliance on Commercial Software with known Vulnerabilities, Types of Exploits, Perpetrators, Reducing Vulnerabilities, Risk Assessment, Establishing a Security Policy, Educating Employees, contractors and parttime Workers, Prevention, Detection, Response.

UNIT III: Privacy: The right of Privacy, Recent History of Privacy Protection, Key Privacy and Anonymity issues, Governmental Electronic Surveillance, Data Encryption, Identity Theft, Consumer Profiling, Treating Consumer Data Responsibility, Workplace Monitoring, Advanced surveillance Technology, Defamation, F reedom of Expression: Key issues, Controlling Access to Information on the Internet, Anonymity, National, Security Letters, Defamation and Hate Speech.

 UNIT IV: Intellectual Prope rty: Copy rights, Patents, Trade Secret Laws, Key Intellectual Prope rty Issues, Plagiarism, Reverse Engineering, Open Source Code, Competitive Intelligence, Cyber squatting, Software Development, Strategies to Engineer Quality Software, The Importance of Software Quality, Software Development Process, Capability Maturity Model Integration for Software, Key Issues in Software Development, Development of Safety-Critical Systems, Quality Management Standards.

UNIT V: Ethics of IT Organization: Need for Nontraditional Workers, Contingent Worke rs H-IB Worke rs, Whistle-blowing, Protection for Whistle-Blowers, Dealing with Whistle-Blowing Situation.

UNIT VI: The Impac t of Information Technology on the Quality of Life: The impac t of IT on the standard of Living and productivity, the Digital Divide, The impac t of IT on Health care costs, Electronic Health Records, Use of Mobile and Wireless Technology, Telemedicine. Medical Information Wet Sites for lay people.

Text Books: 1. George Reynolds, "Ethics in information Technology" Cengage Learning

Re ference Books : 1. Deborah G.Johnson,"Computer Ethics",3/e Pearson Education. 2. Sara Baase, "A Gift of Fire: Social, Legal and Ethical Issues, for Computing and the Internet," PHI Publications. 3. Richard A.Spinello, "Case study in Information Technology Ethics", second Edition PHI Publications. 4. Duncan Lanford "Internet Ethics". 5. D. Micah Hester and Paul J. Ford "Computer and Ethics in the Cyber age".