

CAP408:PROFESSIONAL ETHICS AND PRACTICES

L:1 T:0 P:0 Credits:1

Course Outcomes: Through this course students should be able to

- CO1 :: understand the ethics to become a true computer professional
- CO2 :: identify the issues and legislation related to privacy and data protection
- CO3 :: discuss the standards and rules about intellectual property rights
- CO4 :: review the impact of information technology on society and its lifestyle

Unit I

Ethical Guidelines for Computer Professionals : introduction to ethics, IT professionals and IT users, professional codes of ethics, guidelines and professional responsibilities, implementation of trustworthy computing

Unit II

Computer misuse and cyber ethics : basics of computer hacking and cracking, cyber ethics, introduction to ethical hacking response to cracking

Unit III

Privacy : privacy protection and the law, key privacy and anonymity issues, personal privacy

Unit IV

Data Protection : basics of data protection, official guidelines and legislation on data protection

Unit V

Software and Intellectual Property Rights : intellectual property and copyrights, patents and trade secrets

Unit VI

Information Technology on Productivity and Quality of Life : the impact of IT on the standard of living and worker productivity, social networking ethical issues, the impact of IT on health care costs

Text Books:

1. PROFESSIONAL ETHICS AND HUMAN VALUES by R.S.NAAGARAZAN, NEW AGE INTERNATIONAL

References:

1. PROFESSIONAL ETHICS by R. SUBRAMANIAN, OXFORD UNIVERSITY PRESS