Skill Enhancement Course [SEC-I] Non-CGPA

Lectures per Week: 02

Hours per week: 02 Credit: 02

Course Outcomes:

1. To inculcate awareness of Information security among students.

2. Acquaintance with basic terminology of security

3. Develop a basic understanding of Internet security, Digital certificates, Browser security.

4. Develop an understanding of online transaction and email security.

SEC I- Fundamental of Information Technology: Information Security		30Hrs
Unit: I	Fundamentals of Security Basic terms, Computer security, elements of security, vulnerability of computer, Threats to system security, Antivirus: Types, need of antivirus and functions,	10Hrs.
Unit: II	Internet security Data Security:Data encryption, Digital certificates, Digital Signature Browser security, Child online security, Internet security laws	10Hrs.
Unit: III	Online transaction security Introduction, working of online transaction, Payment gateway, Threats and security. Email security	10 Hrs.

Skill Enhancement Course [SEC-II] Non-CGPA

Lectures per Week: 02

Hours per week: 02Credit: 02

Course outcomes:

1. To inculcate awareness of Cyber security among students.

2. Students to have firm understanding on secure email communication.

3. Exposure to Identity thefts and techniques to countermeasure the same.

4. Know the legal compliances of Information security.

SEC II-	Fundamental of Information Technology: Cyber security	30Hrs
Unit: I	Secure email communication: Introduction, Architecture, threats, Digital certificates, security methods and tools	10Hrs.
Unit: II	Social engineering: Introduction, types, introduction to Identity theft, causes and after effects, techniques to countermeasure Social Engineering and Identity theft.	10Hrs.
Unit: III	Information security and legal Compliance: Introduction, HIPPA, FERPA, PCI DSS	10 Hrs.