

Cyber law and Security Policy

CS802B

Contracts: 3L

Credits- 3

Module – 1A: *Introduction of Cybercrime*: [4]

What is cybercrime?, Forgery, Hacking, Software Piracy, Computer Network intrusion

Module – 1B: *Category of Cybercrime*: [4]

how criminals plan attacks, passive attack, Active attacks, cyberstalking.

Module – 2: *Cybercrime Mobile & Wireless devices*: [8]

Security challenges posted by mobile devices, cryptographic security for mobile devices, Attacks on mobile/cellphones, Theft, Virus,

Hacking. Bluetooth; Different viruses on laptop.

Module -3: *Tools and Methods used in Cyber crime*: [8]

Proxy servers, password checking, Random checking, Trojan Horses and Backdoors; DOS & DDOS attacks; SQL injection: buffer over flow.

Module – 4A: *Phishing & Identity Theft*: [4]

Phishing methods, ID Theft; Online identity method.

Module – 4B: *Cybercrime & Cybersecurity*: [4]

Legal aspects, Indian laws, IT act, Public key certificate

Text:

Cyber security by Nina Gobole & Sunit Belapune; Pub: Wiley India.