

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY PANIPAT
DEPARTMENT OF CYBER SECURITY
LESSON PLAN

**Subject: Introduction to
cyber security**

Subject code: PC-CS-CYS-201A

Semester: 3rd

S No.	Lec No	Topics to Be covered	Mode of Teaching
1	L 1	Introduction and Overview of Cyber Crime, Nature and Scope	White Board
2	L2	Types of Cyber Crime: crime against individual	Smart Board
3	L3	Crime against property, Cyber extortion	White Board
4	L4	Drug trafficking, cyber terrorism	White Board
5	L5	Need for Information security	Smart Board
6	L6	Threats to Information Systems	Smart Board
7	L7	Information Assurance	Smart Board
8	L8	Cyber Security, and Security Risk Analysis.	White Board
9	L9	Unauthorized Access to Computers, Computer Intrusions	White Board
10	L10	Viruses and Malicious Code	White Board
11	L11	Internet Hacking and Cracking, Virus and worms	Smart Board
12	L12	Software Piracy	White Board
13	L13	Intellectual Property	White Board
14	L14	Mail Bombs, Exploitation	Smart Board
15	L15	Stalking and Obscenity in Internet	Smart Board
16	L16	Password Cracking, Steganography	Smart Board
17	L17	Key loggers and Spyware, Trojan and backdoors	White Board
18	L18	phishing, DOS and DDOS attack	White Board
19	L19	SQL injection	White Board
20	L20	Buffer Overflow.	Smart Board
21	L21	passive attacks, active attacks, Cyber crime prevention method	White Board
22	L22	Application security (Database, E-mail and Internet)	Smart Board
23	L23	Data Security Considerations-Backups	Smart Board
24	L24	Archival Storage and Disposal of Data	White Board
25	L25	Security Technology-Firewall and VPNs	White Board
26	L26	Intrusion Detection, Access Control	Smart Board
27	L27	Hardware protection mechanisms, OS Security	Smart Board
28	L28	Introduction to Digital Forensics, historical background of digit	White Board
29	L29	Forensic Software and Hardware, need for computer forensics s	Smart Board
30	L30	special tools and techniques digital forensic life cycle	Smart Board

31	L31	challenges in digital forensic	White Board
32	L32	Introduction to the Legal Perspectives of Cybercrimes	Smart Board
33	L33	Cybercrime and the Legal Landscape around the World	White Board
34	L34	Why Do We Need Cyber laws	Smart Board
35	L35	The Indian IT Act	Smart Board
36	L36	Cybercrime Scenario in India	Smart Board
37	L37	Digital Signatures and the Indian IT Act	White Board
38	L38	Cybercrime and Punishment	White Board

