

Cyber Security	
Session-1: (Fundamental of Networks & Cyber Security)	
Introduction to Computer Terminologies	Introduction to Internet
Computer Storage Mediums	Storage Fundamentals
Session-2: Introduction to Networking	
Computer & Network	NIC Card
LAN	WAN
CAN	WWW
Session-3: Operating System & Basic Terminologies	
Introduction to Operating System	Client Operating systems
Server Operating Systems	Windows Operating Systems
Linux Operating Systems	
Session-4: File systems	
FAT 16	FAT 32
NTFS	Linux File System (ext-4)
Application File systems	Master Boot Record (MBR)
Session-5: Physical and Logical system security	
Firewall (Logical)	Physical safety of the system
Session-6: security Standards	
Role of National Institute of Standard & Technology (NIST)	Role of American National Standard Institute (ANSI)
Role of International society of Automation (ISA)	Role of Information Assurance at Small to Medium Enterprises (ISAME)
Session-7: Cell phone & Mobile Forensics	
Introduction to Mobile & Cyber Forensics	IOS Forensics tools ,Data Acquisition & Analysis
Android Forensics Tools, Data Acquisition & Analysis	Windows Forensics Tools, Data Acquisition & Analysis
Session-8: OS and Application Attacks with solutions	
Application Attacks & solutions	Operating Systems attack & solutions
Session-9: Reverse Engineering	
What is it?	Need of reverse Engineering
Application areas	Reverse Engineering Tools
Session-10: Cyber Forensics -Evidence Recovery & Investigation	
Introduction to Cyber Forensics & Investigations	Procedures in investigations
Ethicks in cyber Forensics	
Session-11: File management & recovery	
Deleted File recovery	Timeline Analysis of Computer File
File Modification & Access	
Session-12: Partition recovery	
Recover Swap File	Recover deleted Evidence
Session-13: Data recovery Tools	
Encase Forensics	Forensic Tool Kit (FTK)
Data recovery Software tools -2018	
Session-14: Internet Usage Data Recovery	
Data recovery challenges	Data recovery techniques
Session-15: Managing Digital Evidence	

Introduction to Digital vidance	Evidance Collection
Evidence Preservation	Handling Original Media
Documentation	
Session-16: Email management & recovery	
Email Investigation	Email Tracking
Email recovery	IP Tracking
Session-17: Cryptography	
Data Encryption	Data Decryption
Cipher text	Symmetric key Cryptography
Public Key Cryptography	
Session-18: Searching	
Need of Searching	Searching prerequisites
Understand different search Engines	Searching techniques
Session-19: Password Cracking	
Need of password cracking	Password cracking tools
Types of attacks/Cracking techniques	
Session-20: Cyber Crime & Cyber Law	
Introduction to Cyber Crime	Intellectual property
IT Legal system and India	Indian IT Act 2000
Session-21: International laws & Cyber Crime	
Different Laws across the world	Countries Law first
Session-22: Cyber Attacks	
Malware & Phishing	Password & DOS Attack
Man in Middle Attack	Malvertising
Session-23: Software Copyrights	
Copy rights and piracy	Need of Software Copy rights
How copy Left is different	Copy right jurisdiction issues
Session-24: Patent Filing and Management	
What is patent	Patent filing in india
Mendatory requirements	Forms and fees for patent filing
Session-25: Trademark	
Trademark e filling service	Tracking legal certificate
Forms and fees	
Session-26 : E-commerce & IT Laws	
Introduction to E-Commerce	E-Commerce & IT Laws in India
E- Commerce & Jurisdiction Issues	Factors influencing E-Commerce
Session-27: Digital Signature	
How Digital signature is different from eletronic signature?	Digital signature need and classes
Digital Signature & GST	Process to obtain Digital Signature