

Certificate Course in Information Security & Cyber Law

Objective of the Course:

Students will learn the basics of Information Security, Anatomy of information Security Attacks their countermeasures and Fundamentals of Cyber Law through Virtual Training Environment.

Learning Outcomes:

The participants will be able to design countermeasures against common Information Security Attacks, they will be able to implement operating system hardening, Configure Firewall &IDS and Evaluate, implement Information security in a Network Environment.

Duration of the Course (in hours) 80 hrs

Appr. Fees (INR): Rs.5000/-

Minimum Eligibility Criteria and pre-requisites, if any 10th pass with basic computer & networking knowledge.

Outline of Course

S. No	Topic	Minimum No. of Hours
1	Introduction to Information Security	2 hrs
2	Information Gathering & Countermeasures	5hrs
3	Sniffing & Countermeasures	5hrs
4	Brute Force Attack & Countermeasures	2 hrs
5	IP Spoofing with DOS & Countermeasures	5hrs
6	Trojan, Backdoor, Virus & Countermeasures	5 hrs
7	Bypassing Proxy & Countermeasures	2hrs
8	SQL Injection Attack & Countermeasures	3hrs
9	Code Injection & Countermeasures	5hrs
10	E-mail Spoofing, Phishing & Countermeasures	2hrs
11	Hacking Wireless Network & Countermeasures	5hrs
12	E-mail Security	5hrs
13	Network Traffic Analysis	2hrs
14	Network Traffic Encryption	7hrs
15	Installing & Configuring Intrusion Detection System	3hrs
16	Configuring Host Based Firewall	2hrs
17	Host System Hardening (Windows)	7hrs
18	Host System Hardening (Linux)	3hrs
19	Evaluating Security	8 hrs
20	Introduction to IT Act 2000/2008	2 hrs
Theory / Lecture Hours:		60 hrs
Practical / Tutorial / Lecture Hours:		20 hrs
Total Hours:		80 hrs.

Short Term Courses – NIELIT

**Books recommended
for reference and
reading:**

Course material Developed at NIELIT Gorakhpur

Group Code: ISCF

Group Name: Information Security & Cyber Forensic

Course Code: CT01

Course Name: Certificate Course in Information Security & Cyber Law