

CERTIFICATE PROGRAM IN CYBER SECURITY

PLACEMENT LINKED PROGRAM



COURSE OVERVIEW

In this course, students will get a Detailed understanding of how Cyber Security works, the components of Cryptography, Infrastructure and Network Security, Web Application & Data Security, Malware, Testing and many more

COURSE OBJECTIVE

Develop an in-depth understanding of cybersecurity components like Network Security, Threat Identification, Malware Security, Cloud Security etc.

SKILLS YOU WILL LEARN

Cyber Security Threat Identification

PROGRAM HIGHLIGHTS

Instructor - Mr. Aman Kumar Gupta

Duration - 4 Month

Eligibility - B.Tech/BCA/MCA/B.Sc/M.Sc

No. of Modules - 06

Placement training - Yes

Language - Hindi/English

Shareable certificate - Yes



CURRICULUM

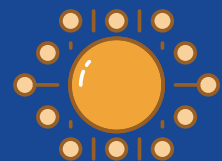
MODULE - 1

Session 1.1 Cyber Security Fundamentals
Session 1.2 Cyber Laws and Ethics
Session 1.3 Introduction to Computer
Session 1.4 Security Linux Basic to Advance
Session 1.5 Operating System Security
Session 1.6 Privacy and Anonymity



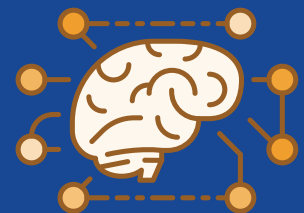
Module - 2

Session 2.1 Introduction to Cryptography
Session 2.2 Symmetric Key Cryptography
Session 2.3 Asymmetric Key Cryptography
Session 2.4 Hashing and Digital Signatures
Session 2.5 Steganography and Quantum Cryptography



Module - 3

Session 3.1 Networking and it's basic concept
Session 3.2 Vulnerability Assessment and
Session 3.3 Pen testing Fundamentals
Session 3.4 Metasploit
Session 3.5 Attacks on Network
Session 3.6 Firewalls and IDS



Module - 4

Session 4.1 Introduction to Web Security
Session 4.2 Client-Side Attacks
Session 4.3 Server Side
Session 4.4 Attacks Database
Session 4.5 Security



Module - 5

Session 5.1 Introduction to Malware
Session 5.2 Malware Development
Session 5.3 Social Engineering
Session 5.4 Attacks



Module – 6

Session 6.1 Introduction to Testing

Session 6.2 UI Automation and Selenium Testing – Basics

Session 6.3 Automative and selenium testing –Advance

Session 6.4 Performance Testing



POTENTIAL JOB ROLES

Cybersecurity Associate
4.0 – 7.5 LPA

IT Security Analyst
4.5 – 6.5 LPA

Web Security Researcher
5.5 – 7.2 LPA

Security Analyst
4.5 – 6.5 LPA

Cybersecurity Analyst
4.0 – 6.5 LPA

Cybersecurity Specialist
7.5 – 12.0 LPA

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