

CYBER SECURITY COURSES

- Basic Ethical Hacking
- Advanced Ethical Hacking
- Web Application Security
- Exploit Development
- Mobile Application Security
- Cyber Forensics
- Reverse Engineering

BASIC ETHICAL HACKING SYLLABUS

Syllabus

1. Networking Basics
2. Introduction to Ethical Hacking
3. Scanning
4. Linux Hacking
5. Windows Hacking 1
6. Windows Hacking 2
7. Browser Based Hacking 1
8. Browser Based Hacking 2
9. FTP Based Hacking
10. Steganography
11. DoS
12. Social Engineering

Advanced Ethical Hacking Syllabus

1. A Brief Review of Basic Ethical Hacking
2. Linux Hacking Special Type
3. Windows Hacking with Admin Privilege
4. DDoS
5. MITM
6. Database Security
7. Sql Injection
8. Payloads
9. Network Hopping

Web Application Security

1. Infrastructure security
2. Server configuration
3. Authentication mechanisms
4. Application language configuration
5. Application coding errors like SQL injection and cross-site scripting
6. Cross-site request forging
7. Authentication bypass
8. Web services and related flaws
9. Web 2.0 and its use of web services
10. XPATH and XQUERY languages and injection
11. Business logic flaws
12. Protective HTTP headers

Mobile Application Security

1. Mobile Security - Introduction
2. Mobile Security - Attack Vectors
3. App Stores & Issues
4. Mobile Security - Mobile Spam
5. Mobile Security - Android OS
6. Mobile Security - Android Rooting
7. Mobile Security - Android Devices
8. Mobile Security - Android Tools
9. Mobile Security - Apple iOS
10. iOS Device Tracking Tools
11. Windows Phone OS
12. Mobile Security - BlackBerry OS
13. Mobile Security - BlackBerry Devices
14. Mobile Security - MDM Solution
15. SMS Phishing Countermeasures
16. Mobile Security - Protection Tools
17. Mobile Security - Pen Testing