**ADVANCED CYBER SECURITY**

**ETHICAL HACKING 15 hrs**

1. Introduction to Ethical Hacking Total 40 hrs

2. Foot printing and Reconnaissance

3. Enumeration and Scanning Networks

4. Malware Threats

5. Sniffing and Spoofing

6. Social Engineering

7. Denial-of-Service

8. Session Hijacking

9. Hacking Web Servers

10. SQL Injection

**PENETRATION TESTING 10 hrs**

11. Hacking Wireless Networks

12: Vulnerability Discovery

13: Passwords Attacks

14: Advanced Exploitation

15: Post Exploitation

16: Exploit Web Apps

17: Developing Exploits

**ADVANCED PENETRATION TESTING 10 hrs**

18: IoT Cyber Attacks

19: Cyber Warfare And State-Sponsored Cyber Attacks

20: Cyber Kill Chain

21: Mitre attack framework

22: Malware Analysis

23: API Testing with Burp Suite

**DIGITAL FORENSICS 5 hrs**

23: Introduction to Digital Forensics

24: Investigating with Forensics Tools