**Cybersecurity Fundamentals**

1. **Module 1: Introduction to Cybersecurity** 
   1. What is Cybersecurity?
   2. Importance of Cybersecurity
   3. Common Threats & Attack Vectors
   4. Cybersecurity Careers & Certifications
2. **Module 2: Networking Basics for Security** 
   1. Introduction to Networks (LAN, WAN, VPN)
   2. IP Addressing, Subnetting, and Protocols (TCP/IP, HTTP, DNS)
   3. Network Devices (Routers, Switches, Proxies)
   4. Network Attacks (MITM, DoS, DDoS)
3. **Module 3: Network Security**
   1. Firewalls (Types, Configurations, Best Practices)
   2. Intrusion Detection Systems (IDS) & Intrusion Prevention Systems (IPS)
   3. Network Monitoring & Traffic Analysis (Wireshark Basics)
4. **Module 4: Cryptography Essentials**
   1. Encryption vs. Hashing
   2. Symmetric & Asymmetric Cryptography (AES, RSA)
   3. Digital Signatures & Certificates (SSL/TLS)
   4. Common Cryptographic Attacks
5. **Module 5: Ethical Hacking & Penetration Testing**
   1. Introduction to Ethical Hacking
   2. Phases of Penetration Testing (Reconnaissance, Scanning, Exploitation)
   3. Vulnerability Assessment Tools (Nmap, Nessus)
   4. Exploitation Basics (Metasploit Framework)
6. **Module 6: Web Security (OWASP Top 10)**
   1. Common Web Vulnerabilities (SQLi, XSS, CSRF)
   2. Secure Coding Practices
   3. Web Application Firewalls (WAFs)
   4. Tools: Burp Suite, OWASP ZAP
7. **Module 7: Digital Forensics Basics** 
   1. Introduction to Cyber Forensics
   2. Evidence Collection & Preservation
   3. Forensic Tools (Autopsy, FTK Imager)
   4. Malware Analysis Fundamentals
8. **Module 8: Hands-On Practice (Hack The Box)** 
   1. Capture The Flag (CTF) Challenges
   2. Security Labs (Virtual Machines - Kali Linux, Metasploitable)
   3. Malware Analysis Lab (Static & Dynamic Analysis)
9. **Freelancing**
10. **Final Project / Assessment**
    1. Solve a simulated security challenge
    2. Write a basic penetration testing report / Literature Review

**Duration:** 6-8 Weeks (Beginner-Friendly)

**Prerequisites:** Basic Computer Skills, No Prior Cybersecurity Knowledge Required