SLOG SOLUTIONS PRIVATE LIMITED
TECHNOLOGY: Cybersecurity
DURATION: 6 WEEKS

- Introduction to Hacking
- Types of Hackers
- Data Breach
- Elements of Information Security
- Essential Terminology
- The Security Functionality and Usability triangle
- Types of attacks
- Information Warfare
- Threat Modeling
- Network Security Zoning
- Incident Management
- Vulnerability Assessment
- Types of Penetration Testing
- Phases of Penetration Testing
- Payment card Industry data security standard
- Footprinting Concepts
- Pseudonymous Footprinting

- Internet Footprinting
- Advance Google hacking Techniques
- Website Footprinting
- Email Footprinting
- Competitive Footprinting
- WHOIS Footprinting
- DNS Footprinting
- Using RECON-NG for Footprinting
- Using Maltego for Footprinting
- TCP Communication
- Creating custom packets using TCP flags
- Checking for Live Systems
- Checking for Open Ports
- HPING3
- XMAS Scanning
- OS Fingerprinting and Banner Grabbing
- NETBIOS Enumeration
- LDAP Enumeration
- NTP Enumeration

- SMTP Enumeration
- System Hacking
- Password Cracking
- Rainbow table using Winrtgen tool
- Password cracking using Ophcrack tool
- Hiding files
- NTFS stream manipulation
- Steganography
- Malware concept
- Trojans
- Viruses
- Worms
- Rootkits
- Sleep dipping
- Sniffing
- Wiretapping
- MAC attacks
- MAC flooding
- DHCP attacks

- DHCP starvation attack
- DHCP server attack
- ARP spoofing
- ARP Poisoning
- Introduction to Wireshark
- Introduction to Social Engineering
- Types of Social Engineering attacks
- Insider attack
- Identity Theft
- Denial of Service
- Distributed denial of service attack
- BOTNET setup
- Pandora DDOS attack toolkit
- SYN flooding using metasploit
- Session Hijacking
- Spoofing vs Hijacking
- Man in the middle attack
- Man in the browser attack
- Session Replay attack
- Session fixation attack

- The 3 way Handshake
- Source Routing
- RST Hijacking
- Blind Hijacking
- Forged ICMP and ARP
- Intrusion Detection Systems
- Firewalls
- Honeypots
- Obfuscating
- False positive generation
- Hacking webservers
- Website defacement
- HTTP response splitting attack
- Mirroring a website
- Patch management
- SQL injection
- Evading IDS
- Using IBM Security Appscan standard
- Wireless networks
- Wireless Encryption

- WEP/WPA/WPA2 Encryption
- Access control attacks
- Authentication attacks
- Rogue access point attacks
- AD hoc connection attack
- Wi-Fi Discovery
- GPS mapping
- Bluetooth Hacking
- Jailbreaking IOS
- Android rooting
- Blackberry attack vectors
- Bring your own device(BYOD) architecture

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