



INTRODUCTION

Concept of information security, incident management process and penetration testing.



DATA ENCRYPTION

System hacking methodology, steganography, steganalysis attacks and tracks covering.



SCANNING

Networking Techniques and counter measures.



WI-FI

Attack patterns and security tools



MOBILE PLATFORM

Android, vulnerabilities, Attack Vector, Jailbreaking iOS, Security Protocols and tools.



HONEY POT

Evasion Techniques, evasion tools and countermeasures



ENUMERATION

Techniques and counter measures.



TROJAN

Types, Analysis and counter measures.



VIRUS

working, Analysis and counter measures.



FIREWALL AND IDS

Techniques and countermeasures



CLOUD COMPUTING

Types, threats, security methodology and tools



CRYPTOGRAPHY

Types, attacks, cryptanalysis tools and public key infrastructure (PKI)



MALWARE

Computer worms, malware analysis and procedures.



PACKET SNIFFING

Techniques and defense mechanism



SOCIAL ENGINEERING

Techniques, counter measure and identity theft



PENETRATION TESTING

Types, vulnerability assessment, road map



SECURITY AUDIT

Concept and techniques



DEMAND OF SERVICE

Types, attacks and countermeasures



WEB APPLICATION ATTACKS

Types, hacking methodology and counter measure



WIRELESS HACKING

Encryption, hacking methodology, hacking tools and counter measures



WEB SERVER ATTACK

Types, methodology and measures



DOS/0DOS ATTACKS

Techniques, tools, counter money and botnets



SQL INJECTIONS

Attacks pattern and detection tool



SESSION HIJACKING

Techniques and counter measured



FOOT-PRINTING AND RECONNAISSANCE

Types, concept and methodology