

Objectives and Course Content of Short Term Course

Operational Plan No.	ICT 22
Name of the Course	Web Application Security Audit
Objectives of Course	<ul style="list-style-type: none"> • To understand Website Security Auditing, various types of Attack, Top Ten Attacks • To learn OWASP Guidelines for Secured Websites • To install Metasploitable web application DVWA • To perform Linux commands for Administration & Networking • To learn website basics • To gather website information using various tools & technologies. • To learn & perform SQL Injection, Attack Queries • To perform SQL Injection using GET & POST • To bypassing Login • To perform Cross-Site attacks • To learn CSRF, Directory Listing, Malicious file upload • To do Secured Programming and Patching vulnerability • To know types of Audit Report
Course Content	<ul style="list-style-type: none"> • Introduction to Website Security Audit • Types of Attack, Top Ten Attacks • OWASP Guidelines for Secured Websites • Installing Metasploitable DVWA • Basic Commands of Linux for Administration & Networking • Website Basics : HTTP & HTTPS, Client Server Model, Web Technologies • Website Information Gathering : WHOIS Lookup, NSLookup, DNS Information, Discovering Technology, Web Crawling, Zenmap/NMap, Analysing Files • SQL INJECTION : Types of injection: Error, Union, Blind, Injection Techniques : Conditional Statements, Injection Obfuscation • Attack Queries: Database Information gathering, Data Targeting etc. • SQL Injection vulnerability in GET & POST • Bypassing "Login" • Cross-Site Vulnerabilities (XSS) : Introduction, Types: Stored, Reflected, DOM-based • CSRF, Directory Listing, Malicious file upload • Secured Programming and Patching vulnerability • Types of Audit Report
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