

### Course Content of Short Term Courses

Operational Plan No.	CSE-21
Name of the Course	<b>Web Application Security Audit</b>
Objectives of Course	<ul style="list-style-type: none"> <li>• To understand Website Security Auditing, various types of Attack, Top Ten Attacks</li> <li>• To learn OWASP Guidelines for Secured Websites</li> <li>• To install Metasploitable web application DVWA</li> <li>• To perform Linux commands for Administration &amp; Networking</li> <li>• To learn website basics</li> <li>• To gather website information using various tools &amp; technologies.</li> <li>• To learn &amp; perform SQL Injection, Attack Queries</li> <li>• To perform SQL Injection using GET &amp; POST</li> <li>• To bypassing Login</li> <li>• To perform Cross-Site attacks</li> <li>• To learn CSRF, Directory Listing, Malicious file upload</li> <li>• To do Secured Programming and Patching vulnerability</li> <li>• To know types of Audit Report</li> </ul>
Course Content	<ul style="list-style-type: none"> <li>• Introduction to Website Security Audit</li> <li>• Types of Attack, Top Ten Attacks</li> <li>• OWASP Guidelines for Secured Websites</li> <li>• Installing Metasploitable DVWA</li> <li>• Basic Commands of Linux for Administration &amp; Networking</li> <li>• Website Basics : HTTP &amp; HTTPS, Client Server Model, Web Technologies</li> <li>• Website Information Gathering : WHOIS Lookup, NSLookup, DNS Information, Discovering Technology, Web Crawling, Zenmap/NMap, Analysing Files</li> <li>• SQL INJECTION : Types of injection: Error, Union, Blind, Injection Techniques : Conditional Statements, Injection Obfuscation</li> <li>• Attack Queries: Database Information gathering, Data Targeting etc.</li> <li>• SQL Injection vulnerability in GET &amp; POST</li> <li>• Bypassing “Login”</li> <li>• Cross-Site Vulnerabilities (XSS) : Introduction, Types: Stored, Reflected, DOM-based</li> <li>• CSRF, Directory Listing, Malicious file upload</li> <li>• Secured Programming and Patching vulnerability</li> <li>• Types of Audit Report</li> </ul>
Name of Course Coordinator with E-mail ID & Contact Number	<ul style="list-style-type: none"> <li>• Dr. C. Rama Krishna, rkc_97@yahoo.com, 01722759670</li> <li>• Er. Amrendra Sharan, amrendra@nitttrchd.ac.in, 01722759664, 9914496715</li> </ul>