



# SIIMT University College

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## DIPLOMA IN CYBER SECURITY – PART 4

### COURSE CONTENT

| CERTIFIED WEB APPLICATION SECURITY EXPERT (CWSE - LEVEL 2) |                                     |
|--|-------------------------------------|
| MODULE   | TOPIC                               |
| Module 1:  | Web Architectures                   |
| Module 2:  | Web Application Introduction        |
| Module 3:  | PHP-Basics                          |
| Module 4:  | Sessions & Cookies                  |
| Module 5:  | XSS Attacks                         |
| Module 6:  | Advanced SQLI                       |
| Module 7:  | Cross Site Request Forgery          |
| Module 8:  | Session Hijacking                   |
| Module 9:  | Web based DDOS Attacks              |
| Module 10:   | Cookie Poisoning                    |
| Module 11:   | PHP Injection                       |
| Module 12:   | Web Based Worms                     |
| Module 13:   | Flash based Web Attacks             |
| Module 14:   | I-Frame based Web Attacks           |
| Module 15:   | Clickjacking                        |
| Module 16:   | Attack frameworks: AttackAPI & BeEF |

|                   |   |
|-------------------|---|
| <b>Module 17:</b> | Penetration testing on DVWA             |
| <b>Module 18:</b> | Honeytokens                             |
| <b>Module 19:</b> | OWASP Top 10                            |
| <b>Module 20:</b> | Metasploit and Web Application          |
| <b>Module 21:</b> | PHP Curl                                |
| <b>Module 22:</b> | Automated Bots                          |
| <b>Module 23:</b> | Phishing 2.0                            |
| <b>Module 24:</b> | Brute forcing Web Applications          |
| <b>Module 25:</b> | Compliance Methodologies and Legalities |
| <b>Module 26:</b> | Capture the Flag Exercise               |
| <b>Module 27:</b> | Summary                                 |

