**Table of Content**

|  |  |  |
| --- | --- | --- |
| **Task No.** | **Tasks** | **Pg. No.** |
| 1 | Task 1: Becoming a Certificate Authority (CA) | 1 |
| Task 2: Generating a Certificate Request for Your Web Server | 2 |
| Task 3: Generating a Certificate for your server | 5 |
| Task 4: Deploying Certificate in an Apache-Based HTTPS Website | 6 |
| Task 5: Launching a Man-In-The-Middle Attack | 7 |
| Task 6: Launching a Man-In-The-Middle Attack with a Compromised CA | 9 |
| 2 | Task 1: Deriving the Private Key |  |
| Task 2: Encrypting a Message |  |
| Task 3: Decrypting a Message |  |
| Task 4: Signing a Message |  |
| Task 5: Verifying a Signature |  |