



## **Topics for Major Project (PGDCS)**

**Course Code: CSP-018**

**Credit: 4**

The main objective of the major project is to enable the learners to be confident in handling cyber security related incidents in any form. For this purpose learners have to rigorously undergo their project work in any practical environment and prepare a project report on their investigation. The following are some of the related topics in which learners can precede their projects. However learners may select any other topic related to cyber security as per their curriculum.

1. Study of Malware and Protection of assets from Malwares in the network.
2. Industry associations and implementations against the sniffing using their corresponding tools.
3. Study of step-by-step process against the use of Fingerprinting and show the way of fixing those uneven by using respective tools.
4. Vulnerability Assessment of websites using any ethical hacking techniques.
5. Study of SQL injection Attacks.
6. Vulnerability assessment & penetration testing (VPAT) for the protection of valuable resources from corporate network sites.
7. Practical industry endorsed associations and techniques for cyber incident handling & reporting tools to provide protection to our vital resources.
8. Steps of implementations against Reconnaissance and its technical solutions.
9. Study of Security and Vulnerabilities in web applications.
10. Study of Ethical Issues Concerning Honey pots.
11. Study of Security and Vulnerabilities in Wireless Networks,
12. Study of any Intrusion Detection System (IDS) Tool.
13. Study of Security through Firewalls.
14. Study of security in Web Browsers.
15. Study of Security in Mobile Apps.