THADOMAL SHAHANI ENGINEERING COLLEGE
Department of Computer Engineering
Academic Year 2019 – 20

T. E. Computer   **Semester: VI**

List of Experiments
Subject: System Security Lab. (CSS Lab.)

S. No.	Name of Experiments
1.	Design and Implementation of a) Substitution Cipher b) Transposition Cipher
2.	Simulation of SQL Injection Attack
3.	Write a program for implementing Virus
4.	Implementation of Euclidean and Extended Euclidean algorithm
5.	Implementation of RSA cryptosystem
6.	Use of network reconnaissance tools like WHOIS, dig, nslookup to gather information about networks and domain registrars
7.	Examine the use of packet sniffer tool: Wireshark a) Download and install wireshark and capture different packets like icmp, tcp and http packets in promiscuous mode b) Explore how the packets can be traced based on different filters c) Capture packets of FTP and retrieve login ID and Password
8.	Simulate port scanning attack using Nmap.
9.	Set up, configuration and use of SNORT for Intrusion Detection
10.	Design of personal Firewall using Iptables
11.	Implementation of Diffie Hellman Key exchange algorithm

Subject In-charge

Ms. Nabanita Mandal