

Thadomal Shahani Engineering College

Bandra (W.), Mumbai - 400 050.

∞ CERTIFICATE ∞

Certify that Mr./Miss ANIMESH NARAYAN PARAB
of I.T Department, Semester V with
Roll No. 88 has completed a course of the necessary
experiments in the subject SECURITY LAB under my
supervision in the **Thadomal Shahani Engineering College**
Laboratory in the year 2023 - 2024


Teacher In- Charge

Head of the Department

Date 27/10/23

Principal

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SR. NO.	EXPERIMENTS	PAGE NO.	DATE	TEACHERS SIGN.
1.	Breaking Shift cipher and Mono-alphabetic Substitution cipher using Frequency analysis method.		19/7/23	
2.	Cryptanalysis or decoding of Polyalphabetic cipher: Playfair, Vigenere cipher.		26/7/23	
3.	Block cipher modes of operation using AES		13/9/23	
4.	Implementation and analysis of RSA cryptosystem and Digital signature scheme using RSA.		26/7/23	
5.	To explore hasdeep tool in kali linux for generating, matching and auditing hash of files.		8/9/23	
6.	Study the use of network reconnaissance tools like WHOIS, dig, traceroute, nslookup, niktto, dmitry to gather info about network and domain registrars.		8/8/23	
7.	Study of packet sniffer tools Wireshark and TCP DUMP		12/10/12	
8.	Installation of NMAP and using it with different options to scan open ports, perform OS fingerprinting, Ping scan, TCP Port Scan, UDP Port Scan etc.		8/8/23	
9.	Simulate DOS attack using Hping3		9/8/23	
10.	To study and Configure Firewalls using IP tables		17/9/23	
11.	Installing Snort, setting in Intrusion Detection Mode and writing rules for Intrusion detection.		13/9/23	
12.	Explore the GPG tools of linux to implement email security.		21/9/23	
13.	Written Assignment 1		21/9/23	
14.	Written Assignment 2			

27/10/23