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Year/Sem: T.E/Sem V   **Subject: Network Lab. (ITL 502)**

Sr. No.	Name of the experiment	Page No.	Marks Out of 10	Date	Sign
1.	Breaking the Mono-alphabetic Substitution Cipher using Frequency analysis method.				
2.	Cryptanalysis or decoding Playfair cipher.				
3.	Cryptanalysis or decoding Vigenère cipher.				
4.	Encrypt and Decrypt short messages using Hill Cipher				
5.	Encrypt long messages using various modes of operation using AES.				
6.	Encrypt long messages using various modes of operation using DES.				
7.	Cryptographic Hash Functions and Applications (HMAC): to understand the need, design and applications of collision resistant hash functions.				
8.	Implementation and analysis of RSA cryptosystem and Digital signature scheme using RSA.				
9.	Study the Keylogers and its functionality.				
10	Study of packet sniffer tools Wireshark: - a. Observer performance in promiscuous as well as non-promiscuous mode. b. Show the packets can be traced based on different filters.				
11	Download, install nmap and use it with different options to scan open ports, perform OS fingerprinting, ping scan, tcp port scan, udp port scan, etc.				

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