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IT8761 - SECURITY LABORATORY

Ex. No.	DATE	TITLE	MARKS	SIGNATURE
1		Perform encryption, decryption using the following substitution techniques		
1.a		Caesar cipher		
1.b		Playfair Cipher		
1.c		Hill Cipher		
1.d		Vigenere Cipher		
2		Perform encryption and decryption using following transposition techniques		
2.a		Rail Fence		
2.b		Row & Column Transformation		
3		Apply the DES algorithm for practical applications.		
4		Apply the AES algorithm for practical applications.		
5		Implement RSA Algorithm using HTML and JavaScript		
6		Implement the Diffie-Hellman Key Exchange algorithm for a given problem.		

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7		Calculate the message digest of a text using the SHA-1 algorithm.		
8		Implement the SIGNATURE SCHEME - Digital Signature Standard.		
9		Demonstrate intrusion detection system (ids) using eg. Snort.		
10		Automated Attack and Penetration Tools Exploring N-Stalker, a Vulnerability Assessment Tool.		
11		Defeating Malware		
11.a		Building Trojans		
11.b		Rootkit Hunter.		