

Sreenidhi Institute of Science and Technology
Department of Computer Science and Engineering
M.Tech Computer Science

Name of the lab: INFORMATION SECURITY LAB

Lab Number: 2414

Number of systems: 32

HARDWARE DETAILS

S.NO	NAME OF THE HARDWARE	MANUFACTURER
1	Make	HP
2	Model	HP Compaq 4000
3	Memory	4 GB RAM
4	Processor	Intel Core 2 Duo CPU
5	Hard Disk(HDD)	500GB HDD
6	SMPS	ATX
7	Monitor	HP LV1911(19")
8	Keyboard	HP QWERTY Model
9	Mouse	HP Optical Mouse

SOFTWARE DETAILS

S.NO	NAME OF THE SOFTWARE	SOURCE
1	WINDOWS 7 Professional SP1	Licensed
2	Informatica Power Center Express Edition	Licensed
3	SPSS Clementine	Licensed
4	WEKA	Open Source
5	Ubuntu	Open Source
6	JDK 1.7	Open Source
7	Putty	Open Source
8	KasperSky Endpoint Security	Licensed

List of Experiments in Information Security Lab

- 1 Implement RSA algorithm
 - (A) Generate Public key and Private key pair
 - (B) Generate Ciphertext for the Plaintext
 - (C) Obtain the Plaintext from the Ciphertext
- 2 Implement DES
 - (A) Generate Cipher text for the given Plaintext
 - (B) Retrieve the Plaintext from the given Ciphertext
- 3 Implement Diffie Hell man Algorithm and generate Secret Key
- 4 Implement Hash Algorithm
- 5 Generate Digital Signature
- 6 Gital Envelope

