

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

Name of the lab: Information Security Lab

Lab Number: 4309

Number of systems: 30

HARDWARE DETAILS

S.NO	NAME OF THE HARDWARE	MANUFACTURER
1	Make	HP
2	Model	HP 280 G3 MT
3	Memory	8 GB RAM
4	Processor	Intel® Core (TM) i5 7500 CPU @ 3.40GHz
5	Hard Disk(HDD)	1 TB HDD
6	SMPS	ATX Mercury
7	Monitor	HP
8	Keyboard	HP
9	Mouse	HP

SOFTWARE DETAILS

S.NO	NAME OF THE SOFTWARE	SOURCE
1	WINDOWS 7 Professional SP1	Licensed
2	KasperSky Endpoint Security	Licensed
3	JDK 1.7	Open Source
4	Putty	Open Source

List of Experiments in Information Security Lab

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

