SSN COLLEGE OF ENGINEERING
Department of CSE
COURSE PLAN

SUBJECT NAME	**:**	**SECURITY LABORATORY**
SUBJECT CODE	**:**	**CS6711**
DEGREE / YEAR	**:**	**B.E. CSE / IV YEAR/ A Section**
BATCH	**:**	**2013-2017**
SEMESTER	**:**	**VII (2016-17: Odd)**
NAME OF THE STAFF	**:**	**J. BHUVANA**
DESIGNATION	**:**	**ASSOCIATE PROFESSOR**

Sl.No	Topic	No of Hrs (plan)	No of Hrs (actual)	Remarks
1.	Implement the substitution technique: Caesar Cipher, Playfair Cipher	1		
2.	Implement Hill Cipher, Vigenere Cipher	1		
3.	Implement the transposition techniques: Rail fence – row & Column Transformation	1		
4.	Implement the DES algorithm	1		
5.	Implement the RSA algorithm	1		
6.	Implement the Diffiee-Hellman algorithm	1		
7.	Implement the MD5 algorithm	1		
8.	Implement the SHA-1 algorithm	1		
9.	Implement the Signature Scheme - Digital Signature Standard & Demonstrate how to provide secure data storage, secure data transmission and for creating digital signatures (GnuPG).	1		
10.	Setup a honey pot and monitor the honeypot on network (KF Sensor)	1		
11.	Installation of rootkits and study about the variety of options	1		
12.	Perform wireless audit on an access point or a router and decrypt WEP and WPA.(Net Stumbler)	1		
13.	Demonstrate intrusion detection system (ids) using any tool (snort or any other s/w)	1		
Planned Hours		**13**		

PREPARED BY
J. Bhuvana

APPROVED BY
Dr.Chitra Babu
HOD-CSE