Sardar Patel Institute of Technology
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058-India
(Autonomous Institute Affiliated to University of Mumbai

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
CEL62	Cryptography and System Security Lab	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		MSE		ESE		Total
		40		--		--		40

Pre-requisite Course Codes		CE51
At the End of the course students will be able to		
Course Outcomes	CO1	Understand working of Public key Cryptographic technique.
	CO2	To develop and Secure any application using different methods
	CO3	To implement different session hijacking techniques
	CO4	To analyze different SQL injection attacks on application

Exp. No.	Experiment Details	Ref.	Marks
1	Simulation of RSA algorithm.	1,3	5
2	Implementation ofDeffie-Hellman key exchange algorithm.	1,3,4	5
3	Implement Blowfish attack.	1,3,4	5
4	Implement MD5 algorithm	1,4	5
5	Implement Pretty Good Privacy (PGP) security method.	1,3,4	5
6	Implement SNORT Intrusion Detection System	1,2,4	5
7	Implement of SQL injection	1,3,4	5
8	Implement of session Hijacking attack.	1,3,4	5
		Total Marks	40

References:

(1) Cryptography and Network Security: Principles and Practice 5th edition, William Stallings, Pearson.
(2) Network Security and Cryptography 2nd edition, Bernard Menezes, Cengage Learning.
(3) Cryptography and Network, 2nd edition, Behrouz A Fourouzan, Debdeep Mukhopadhyay, TMH.India.
(4) Cryptography and Network Security by Behrouz A. Forouzan, TMH
(5) Security in Computing by Charles P. Pfleeger, Pearson Education.
(6) Computer Security Art and Science by Matt Bishop, Addison-Wesley.