SIR BHAVSINHJI POLYTECHNIC INSTITUTE BHAVNAGAR

DEPATMENT OF INFORMATION TECHNOLOGY
(AFFILIATED WITH GUJARAT TECHNOLOGICAL UNIVERSITY)

WNS LAB MANUAL

WEB AND NETWORK SECURITY

Subject Code: 3361601
Semester: 6th

Guided by: G. M. PANDEY

YEAR: 2018-2019

Name:_____

Enrollment No:_____

Div: _____ Batch: _____

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Name:_____

Enrollment No:_____

Div: _____   **Batch:** _____

No	Name of Practical	Page No	Date	Sign	Remarks
1 (a)	Write a C Program in Turbo C3 Compiler and generate its Message Digest using MD5.				
1 (b)	Write your basic detail in notepad (txt file) and generates its message digest.				
1(c)	Change the above txt file with a minor modification and again generate its MD5. Compare it with previously generated MD5 [1(b)]. Reference: (www.md5summer.org/download.html).You can alternatively use online MD5 generator.				
2 (a)	Write a C Program in Turbo C3 Compiler and generate its Message Digest using SHA-1.				
2 (b)	Write your basic detail in notepad (txt file) and generates its message digest.				
2 (c)	Change the above txt file with a minor modification and again generate its SHA-1. Compare it with previously generated SHA-1 [2(b)]. Reference: (www.md5summer.org/download.html).You can alternatively use online MD5 generator.				
3	Prepare a presentation of RSA, explaining its working and structure.				
4	Prepare a chart/model Message Authentication Codes(MACs)				
5	Prepare a chart /model to explain the importance of Digital Signature.				

6 (a)	Install Wireshark tool for packet capture				
6 (b)	Inspect IP packets and identify source and destination IP using the wireshark tool				
7	Prepare a Chart and/or presentation on SSL Protocol Stack				
8	Prepare a presentation on 3D authentication for monetary transactions (SET)				
9 (a)	Install and configure few features of Firewall for Network security				
9 (b)	Inspect the firewall at your department in CWN. Understand its functionality, identify the important configuration parameters for the same.				
10	Chart on Wi-Fi Security.				