



# 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
EXL802	Advanced Networking Technologies Laboratory	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE		Total		
				Practical	Oral			
		40	--	20	60			

Pre-requisite Course Codes		EXC802 (Advanced Networking Technologies)
After successful completion of the course, student will be able to		
Course Outcomes	CO1	Understand specification of Bluetooth and its various profiles through FOSS and command prompt.
	CO2	Understand system utilities for network management using various open source networking tools.
	CO3	Perform a Vulnerability Analysis using security network analyzer.

Exp. No.	Experiment Details	Ref.	Marks
1	Identify the specifications of Bluetooth through command prompt and GUI.	2,3	05
2	Understand the system utilities for network management.	2,3	05
3	To perform network audit of a LAN.	2,3	05
4	To observe the statistics of application and service based network management protocols	2,3	05
5	Test a host to determine potential security vulnerabilities.	2,3	05
6	Virtual Lab on identifying the different issues related to hidden terminal problem and exposed terminal problem; also they can solve and simulate with the open source network simulator NS2/NS3	1	05
7	Virtual Lab on evaluating the network performance by using performance evaluation matrix and NS2	1	05
8	Case Study on Network Design and Management.	2,3	05
Total Marks			40

## References/Online Resources:

1. <http://iitkgp.vlab.co.in/index.php?sub=38&brch=121>
2. Wireless communication and Networking-Vijay Garg, ELSEVIER Inc
3. Computer Networking by J. F. Kurose and K. W. Ross, Pearson Education