



# 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
ETL 803	Internet and Voice Communication Laboratory	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		--		20		60		

<b>Pre-requisite Course Codes</b>	ETC 803: Internet and Voice Communication	
After successful completion of the course, student will be able to		
<b>Course Outcomes</b>	CO1	Implement, configure and analyze different TCP/IP protocols using the simulation software tools like Packet Tracer and Wireshark.
	CO2	Install software packages required to configure some protocols and multimedia handling using open source tools.
	CO3	Install software packages required for multimedia handling using open source tools.
	CO4	To be able to documents the experiments.

Exp. No.	Experiment Details	Ref.	Marks
1	To install and configure primary DNS server.		5
2	To install and configure DHCP client/server.		5
3	To install and configure advanced email server.		5
4	Configuring VoIP in single network using CISCO PACKET Tracer.		5
5	Configure VoIP in network to network using CISCO PACKET Tracer.		5
6	To perform multimedia handling using ffmpeg and OpenCV.		5
7	To study virtual hosting concept and create a virtual host.		5
8	To perform LAN Telephony using Asterisk Server.		5
9	Live streaming using VLC Client/Server.		5
10	To study different audio and video format.		5
11	Mini project in internet and voice communication.		5
<b>*Any 08 Experiment to be performed.</b>			<b>Total Marks 40</b>

## References:

As per recommended by faculty.