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
CPCL604	**Mobile Communication and Computing Lab**	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical		Oral		
		40		20		-		60

Pre-requisite Course Codes	CPC604 (Mobile Communication and Computing)

At end of successful completion of this course, student will be able to

Course Outcomes	CO1	To Configure Wireless Access Point.
	CO2	To Execute WAP program.
	CO3	To Simulate different scenario using various simulators.
	CO4	To develop Mobile apps.

Exp. No.	Experiment Details	Ref.	Marks
1	To setup a wireless access point under given scenario.	1	5
2	To write and execute WML and WMLS program for different Scenario	2	5
3	To use GSM modem for executing AT commands in given scenario.	3	5
4	To simulate a given scenario using GNS3 Simulator.	4	5
5	To simulate GSM scenario using Netsim.	5	5
6	To simulate CDMA scenario using Netsim.	5	5
7	To develop a simple Android App.	6	5
8	To develop an Android App to Access the device hardware.	6	5
	Total Marks		**40**

References:

[1] Wireless Access point setup wizard by D-Link
    "http://www.support.dlink.com/emulators/dwl2100ap/210/HomeWizard.html"
[2] Kris Jasma,"WML and WMLScript: A Beginner's Guide Beginner's Guides", by Osborne publication
[3] "GSM AT Commands Set", by UbiNetics.
[4] Chris Welsh,"GNS3 Network Simulation Guide", by PACKT publication.
[5] "Netsim Experiment Manual" by Tectos.
[6] W. Frank Ableson,Robi sen, Chris King, " Android In Action ", Third Edition,