



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
ITL702	Cloud Computing lab	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		-		20		60		

Pre-requisite Course Codes	TEITC502 (Operating Systems) ITC702 (Cloud Computing)	
After successful completion of the course, student will be able to:		
Course Outcomes	CO1	Perform virtualization configuration and administration
	CO2	Handle open source cloud implementation and administration.
	CO3	Create and run virtual machines.
	CO4	Install and appreciate security features for cloud.

Exp. No.	Experiment Details	Ref.	Marks
1	Study and implement Desktop and Server Virtualization.	1,2	5
2	Study and implement OS Level Virtualization.	1,2	5
3	Implementation of Infrastructure As A Service - Creating an account on the Cloud and Starting a server instance.	1,4	5
4	Implementation of Infrastructure As A Service - Allocating resources and deploying an application.	1,4	5
5	Implementation of Platform As A Service.	1,4	5
6	Implementation of Storage as a Service.	1,4	5
7	Implementation of Single-Sing-On.	1,3	5
8	Securing Servers in Cloud	1,3	5
Total Marks			40

References:

1. Kailash Jayaswal, Jagannath Kallakurchi, Donald J. Houde and Dr. Deven Shah, "Cloud computing Black Book", Dreamtech Publication.
2. Bernard Golden, "Virtualization for Dummies", Wiley Publication.
3. Ronald L., "Cloud security", Wiley Publication.
4. Dr. Kumar Saurabh, "Cloud computing", Wiley Publication.