



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
CPCL603	Distributed Databases Lab	--	--	2	--	--	1	1
		Examination Scheme						
		ISE		ESE			Total	
				Practical	Oral			
40		-		20		60		

Pre-requisite Course Codes	CPC603 (Distributed Databases)
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At end of successful completion of this course, student will be able to

Course Outcomes	CO1	To understands fragmentation concepts practically.
	CO2	To analyze best algorithm for concurrency control
	CO3	To create and parse XML Documents
	CO4	To gain knowledge of actual Query Processing , optimization and Deadlock detection

Exp. No.	Experiment Details	Ref.	Marks
1	Perform Fragmentation (PHF, DHF, VF, and HF) and allocation in DDBS design.	1,4	5
2	Case study on Concurrency control algorithms	1,3,4	5
3	Creating an XML Document and Defining XML Attributes	1,2,4	5
4	Working with XML Parsers	1,2,4	5
5	Implementation of query optimization	1,4	5
6	Implementations of two phase or three phases commit protocol	1,4	5
7	Implementations of deadlock detection in DDB	1,2	5
8	Mini Project	1,2,3,4	5
Total Marks			40

References:

1. Chhanda Ray , “Distributed Database System”, Pearson Education India.
2. A. Siberschatz, H. Korth, “Database System”, Six Edition, McGraw Hill.
3. Seed K. Rahimi and Frank S. Haug, “Distributed Database Management System”, Wiley India.
4. M. Tamer Ozsü , Patrick Valduriez, “Principles of Distributed Database”, Pearson Education India.