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
TEITL602	Distributed Systems Lab	-	-	2	-	-	1	1
		Examination Scheme						
		ISE	ESE					Total
			Practical		Oral			
		40	10		10			60

Pre-requisite Course Codes	TEITC502 (Operating Systems) TEITC602 (Distributed Systems)	
After successful completion of the course, student will be able to:		
Course Outcomes	CO1	Apply message communication technique and develop the applications.
	CO2	Demonstrate the clock synchronization algorithm in distributed system
	CO3	Use distributed system technologies like EJB, CORBA and .NET.
	CO4	Create mini projects using distributed system concepts

Exp. No.	Experiment Details	Ref.	Marks
1	Implement the client server socket programming for converting lower case word to uppercase word.	1,2	5
2	Write a program for finding prime numbers using RPC	1,2	5
3	Implementation of "Calculator" Service using JAVA RMI	1,2	5
4	Implement Lamport timestamp logical clock	1,2	5
5	Implement the Election Algorithm	1,2	5
6	To develop a component for retrieving Weather Forecast Information using CORBA.	3,4	5
7	To study and develop application using Enterprise Java Beans(EJB).	3,4	5
8	Mini Project	1-4	5
		Total Marks	40

References:

1. Andrew S. Tanenbaum & Maarten van Steen " *Distributed Systems : Principles and paradigms"* Prentice Hall of India Private Limited
2. Pradeep K. Sinha "*Distributed Operating Systems*", Prentice Hall of India Private Limited
3. Sunita Mahajan, Seema Shah, "*Distributed Computing*", Oxford, second edition.