



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	
ITL34	Object Oriented Programming Lab	-	-	2	-	-	1	1	
		Examination Scheme							Total
		ISE		ESE		Total			
				Practical	Oral				
		40	10	10	60				

Pre-requisite Course Codes	ES4 (Programming Methodology and Data Structure) IT34 (Object Oriented Programming)
After successful completion of the course, student will be able to:	
Course outcomes	CO1 Demonstrate object oriented programming concepts for a scenario.
	CO2 Apply static and dynamic binding.
	CO3 Apply concept of input, output and JDBC.
	CO4 Apply multi threading and exception handling for a scenario.
	CO5 Design a java application using J2EE, Swing etc

Exp. No.	Experiment Details	Ref.	Marks
1	Program using conditional and control statements.	1,2,3,4	5
2	Program on Polymorphism.	1,2,3,4	5
3	Program on Inheritance, Aggregation, Composition	1,2,3,4	5
4	Program on Package, Nested Class, String, Collection	1,2,3,4	5
5	Program on Exception Handling	1,2,3,4	5
6	Program on Multithreading, I/O, JDBC	1,2,3,4	5
7	Mini project using Struts, J2EE, Swing etc	2,5,6	5
Total Marks			40

References:

1. Ralph Bravaco, Shai Simoson, "Java Programming From the Group Up", 1st edition, Tata McGraw-Hill.
2. Herbert Schildt, "Java - The Complete Reference", 8th edition, Tata McGraw-Hill.
3. Jaime Nino, Frederick A. Hosch, "An introduction to Programming and Object Oriented Design using Java", 3rd edition, Wiley Student Edition.
4. C Xavier, "Java Programming A Practical Approach", 1st edition, Tata McGraw-Hill.
5. James Holmes, "Struts: The Complete Reference", 2nd edition, Tata McGraw-Hill.
6. Jim Keogh, "J2EE: The Complete Reference", 1st edition, Tata McGraw-Hill.