



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	
CEL34	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 Structures)	
At the end of successful completion the course, students will be able to		
Course Outcome	CO1	Use object oriented programming concepts for a scenario.
	CO2	Demonstrate static and dynamic binding.
	CO3	Apply concept of input output and JDBC.
	CO4	Apply concept of multithreading, exception handling for a scenario
	CO5	Design and create a java application to solve real world problem 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	10
Total Marks			40

References:

- [1] Ralph Bravaco ,Shai Simoson ,“Java Programing From the Group Up”,Tata McGraw-Hill
- [2] Herbert Schildt, “Java The Complete Reference”, Tata McGraw-Hill.
- [3] Jaime Nino, Frederick A. Hosch, ‘An introduction to Programming and Object Oriented Design using Java’, Wiley Student Edition.
- [4] C Xavier, “Java Programming A Practical Approach”,Tata McGraw-Hill.
- [5] James Holmes “Struts: The Complete Reference” Tata McGraw-Hill.
- [6] Jim Keogh, “J2EE: The Complete Reference” Tata McGraw-Hill.