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
ELL36	Object Oriented Programming Lab	--	1	2	--	1	1	2
		Examination Scheme						
		ISE	ESE			Total		
			Practical		Oral			
		40	10		10	60		

Pre-requisite Course Codes	ES4 (Programming Methodology and Data Structure)	
After successful completion of the course, student will be able to		
Course Outcomes for Lab	CO1	Use object oriented programming concepts for a scenario.
	CO2	Apply concept of input output and string handling
	CO3	Demonstrate polymorphism, static and dynamic binding.
	CO4	Apply Inheritance, Abstract Class and Interface to implement scenario.
	CO5	Apply concept of multithreading and exception handling for a scenario.

Exp. No.	Experiment Details	Ref.	Marks
1	Program on I/O using command line arguments, scanner class, BufferedReader etc.	1,2	5
2	Program on Constructor.	1,2,3	5
3	Program on Polymorphism, Run time polymorphism.	1,2	5
4	Program on Inheritance, Abstract Class, Interface.	1,2	5
5	Program on Nested Class, Aggregation, Composition.	1,2,3	5
6	Program on Multithreading.	2,3,4	5
7	Program on String and Exception Handling.	1,2	5
8	Program on Package and access modifiers.	1,2	5
		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.