



SOCIETY OF ST. FRANCIS XAVIER, PILAR'S
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 6711 4101, 6711 4104

Website : www.frcrce.ac.in • Email : crce@fragnel.edu.in

Computer Engineering **(Academic Year :2023-2024)**

Course Code: CSL304	
Course Name: Skill based Lab Course: Object Oriented Programming with Java	
Course Teacher: Prof. Parshvi Shah	
Lab Outcomes (CO): <i>At the End of the course students will be able to</i>	
CSL304.1	Demonstrate fundamental programming constructs
CSL304.2	Illustrate the concept of packages, classes, and objects
CSL304.3	Apply the concept of strings, arrays, and vectors
CSL304.4	Implement the concept of inheritance, exception handling and multithreading
CSL304.5	Develop real world application using libraries/GUI, Database in Java



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Course Lesson Plan

Sr. No.	Proposed Date	Actual Date	Topics	CO	Teacher's Remark	HoD's Remark
1	17-07-23		Introduction of subject, Mini project information			
2	21-07-23		Basic Programming construct: Variables, Data types, operators	CSL304.1		
3	26-07-23		Introduction to OOP concept	CSL304.1	Quiz 1	
4	28-07-23		Class, object, data hiding, constructors, constructor overloading	CSL304.2		
5	02-08-23		Conditional statement, loops, switch	CSL304.1		
6	04-08-23		Arrays 1D,2D	CSL304.3	Quiz 2	
7	09-08-23		Static Keyword	CSL304.2		
8	11-08-23		Object passing as parameter	CSL304.2		
	15-08-23		Independence Day			
	16-08-23		Parsi New Year			
9	18-08-23		Object passing as parameter, Packages in java, types, and User Defined package	CSL304.2	Quiz 3	
10	23-08-23		Types of inheritance, Method overriding, super, abstract class and abstract method	CSL304.4		
11	26-08-23		final, Multiple inheritance using interface, Multiple inheritance using interface, extends keyword	CSL304.4		
	28-08-23 to 30-08-23		Unit Test-1			
12	01-09-23		Strings and Strings Buffer	CSL304.3	Quiz 4, Assignment 1	
13	06-09-23		Swing class in JAVA	CSL304.5		
14	08-09-23		Introduction to JDBC and JDBC connectivity	CSL304.5		
15	13-09-23		Introduction to JDBC and JDBC connectivity	CSL304.5	Quiz 5	
16	15-09-23		Exception handling using try, catch, finally, throw and throws,	CSL304.4		
	19-09-23 to 22-09-23		Shri Ganesh Festival			



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17	27-09-23		Multiple try and catch blocks, user defined exception	CSL304.4	Quiz6	
18	29-09-23		Thread lifecycle, thread class methods, creating threads using extends	CSL304.4		
	28-09-23		Anant Chaturdashi			
	02-10-23		Gandhi Jayanti			
19	04-10-23		Thread lifecycle, thread class methods, creating threads using extends	CSL304.4	Quiz 7, Assignment 2	
20	06-10-23		Multithreading	CSL304.4		
	09-10-23 to 13-10-23		Unit Test-2			
21	18-10-23		Remedial lecture	All CO		
22	20-10-23		Remedial lecture	All CO	Quiz 8	
			University ESE Examination			

Textbooks:

- 1 Herbert Schildt, 'JAVA: The Complete Reference', Ninth Edition, Oracle Press.
- 2 E. Balagurusamy, 'Programming with Java', McGraw Hill Education

References:

- 1 Ivor Horton, "Beginning JAVA", Wiley India.
- 2 "JAVA Programming", Black Book, Dreamtech Press.
- 3 "Learn to Master Java programming", Staredu solutions

Digital material:

- 1 www.nptelvideos.in
- 2 www.w3schools.com
- 3 www.tutorialspoint.com

Course Instructor: Prof. Parshvi Shah