

## *Lesson Plan*

*Faculty Name: Parshvi Shah*

CLASS		SE Computer Engineering (A), Semester III			
Academic Term		July- October 2022			
Subject		Skill based Lab Course: Object Oriented Programming with Java			
<i>Periods (Hours) per week</i>		<i>Lecture</i>		<i>2</i>	
		<i>Practical</i>		<i>2(Per Batch)</i>	
		<i>Tutorial</i>			
<i>Evaluation System</i>				<i>Hours</i>	<i>Marks</i>
		Theory examination		--	--
		Internal Assessment		--	--
		Practical Examination		--	--
		Oral Examination		--	25
		Term work		--	50
		Total		--	75
<i>Time Table</i>		<i>Day</i>		<i>Time</i>	
		Monday		8.45-9.45am	
		Wednesday		11.00am-12.00pm	
<b><i>Course Content and Lesson plan</i></b>					
Week	Lecture No.	Date		Topic	Remarks
		Planned	Actual		
<b>1.Fundamental of JAVA programming</b>					
1	1	25-07-22	25-07-22	Introduction to OOP lang and Java	
	2	27-07-22	27-07-22	Features of Java Language, Execution of Simple Java Program	
2	3	01-08-22	03-08-22	First Java Program, Command line argument, Datatypes and Operators	
	4	03-08-22	04-08-22	<b>Control Structures</b>	
<b>2. Class, Object, Packages and Input/output</b>					
3	5	08-08-22	03-08-22	Class, object, data members, member	
	6	10-08-22	04-08-22	Constructors, types, static members and functions Method overloading	
4	7	17-08-22	10-08-22	Packages in java, types, user defined packages	
5	8	22-08-22	11-08-22	Input and output functions in Java, Buffered reader class, scanner class	
	9	24-08-22	24-08-22	Buffered reader class	

				scanner class, programs related to all function	
<b>3. Array, String and Vector</b>					<b>A</b>
6	10	29-08-22	18-08-22	Array	
	11	31-08-22	19-08-22	Array, Strings	
7					UT1:5/9,6/9,7/9
8	12	12-09-22	12-09-22	Strings, vector	
	13	14-09-22	14-09-22	vector	
<b>4. Inheritance</b>					
9	14	19-09-22	19-09-22	Types of inheritance, Method overriding,	
	15	21-09-22	21-09-22	super, abstract class and abstract method,	
10	16	26-09-22	26-09-22	final, Multiple inheritance using interface	
	17	28-09-22	28-09-22	Multiple inheritance using interface, extends keyword	
<b>5. Exception handling and Multithreading</b>					
11	18	3-10-22	3-10-22	Exception handling using try, catch, finally, throw and throws,	
12	19	10-10-22	10-10-22	Multiple try and catch blocks, user defined exception Thread lifecycle,	
	20	12-10-22	12-10-22	thread class methods, creating threads using extends and implements keyword.	
<b>6. GUI programming in JAVA</b>					
13	21	19-10-22	19-10-22	Applet and applet life cycle, creating applets, graphics class functions, parameter passing to applet, Font and color class.	
	22	19-10-22	19-10-22	AWT: working with windows, using AWT controls for GUI design Swing class in JAVA	
	23	20-10-22	22-10-22(ONLINE)	Introduction to JDBC, JDBC-ODBC connectivity, JDBC architecture.	<a href="https://drive.google.com/file/d/1m5LqANVormbPh9MkGOoa_-yXYnlVx2wj/view?usp=drives">https://drive.google.com/file/d/1m5LqANVormbPh9MkGOoa_-yXYnlVx2wj/view?usp=drives</a>

<b>Submitted By</b>	<b>Approved By</b>
Prof. Parshvi Shah	ii) Dr. Sujata Deshmukh      Sign:
Sign:	ii) Dr. B. S. Daga      Sign:
	iii) Prof. Merly Thomas      Sign:
	iv) Prof. Roshni Padate      Sign:
	v) Prof. Kalpana Deorukhkar      Sign:
<b>Date of Submission:</b>	<b>Date of Approval:</b>
<b>Remarks by DQAC (if any)</b>	