LESSON PLAN

Discipline: Computer Science & Engg.	Semester: Third(3rd)	Name of the Faculty: Er Biswajit Moharana
Subject: Object Oriented Methodology (Th- 04)	No. of days/week class allotted: Five (5)	Semester from Date: 15.09.22 to Date: 22.12.22 No. of Weeks: 15
WEEK	**CLASS DAY**	**THEORY TOPICS**
1st	1st	Programming Languages Object Oriented Programming
	2nd	OOPS concepts and terminology
	3rd	Benefit of OOPS
	4th	Application of OOPS
	5th	Review Class
2nd	1st	What is Java ? Execution Model of Java
	2nd	The Java Virtual Machine A First Java Program
	3rd	Variables and Data types
	4th	Primitive Data types & Declarations
	5th	Numeric and Character Literals, String Literals
3rd	1st	Arrays, Non-Primitive Data types Casting and Type Casting
	2nd	Widening and Narrowing Conversions
	3rd	Operators and Expressions
	4th	Control Flow Statements
	5th	Review Class

4th	1st	Monthly Test	
	2nd	Concept and Syntax of class Defining a Class	
	3rd	Concept and Syntax of Methods Defining Methods	
	4th	Creating an Object	
	5th	Accessing Class Members	
5th	1st	Instance Data and Class Data	
	2nd	Constructors	
	3rd	Access specifiers Access Modifiers	
	4th	Access Control	
	5th	Review Class	
6th	1st	String Builder String Buffer	
	2nd	Methods and Messages	
	3rd	Parameter Passing	
	4th	Contd..	
	5th	Comparing and Identifying Objects	
7th	1st	Review Class	
	2nd	Inheritance in Java Use of Inheritance	
	3rd	Types of Inheritance Single Inheritance	
	4th	Monthly Test	
	5th	Multi-level Inheritance	
8th	1st	Hierarchical Inheritance	

	2nd	Hybrid Inheritance
	3rd	Contd..
	4th	Review Class
	5th	Types of Polymorphism
9th	1st	Method Overloading
	2nd	Contd..
	3rd	Run time Polymorphism
	4th	Method Overriding
	5th	Contd..
10th	1st	Review Class
	2nd	Monthly Test
	3rd	Introduction Java API Packages
	4th	Using System Packages
	5th	Naming Convention Creating Packages
11th	1st	Accessing a Package
	2nd	Using a Package
	3rd	Adding a Class to Package
	4th	Hiding Classes Static Import
	5th	Review Class
12th	1st	What is a stream? Reading and writing to files (only txt files
	2nd	Input and Output Stream

	3rd	Manipulating Input data
	4th	Opening and Closing Streams
	5th	Predefined streams
13th	1st	File handling Classes and Methods
	2nd	Review Class
	3rd	Exceptions Overview Exception Keywords
	4th	Catching Exceptions
	5th	Using Finally Statement
14th	1st	Exception Methods
	2nd	Declaring Exceptions
	3rd	Defining and throwing exceptions Errors and Runtime Exceptions
	4th	Review Class
	5th	Monthly Test
15th	1st	Revision-1
	2nd	Revision-2
	3rd	Revision-3
	4th	Revision-4
	5th	Revision-5