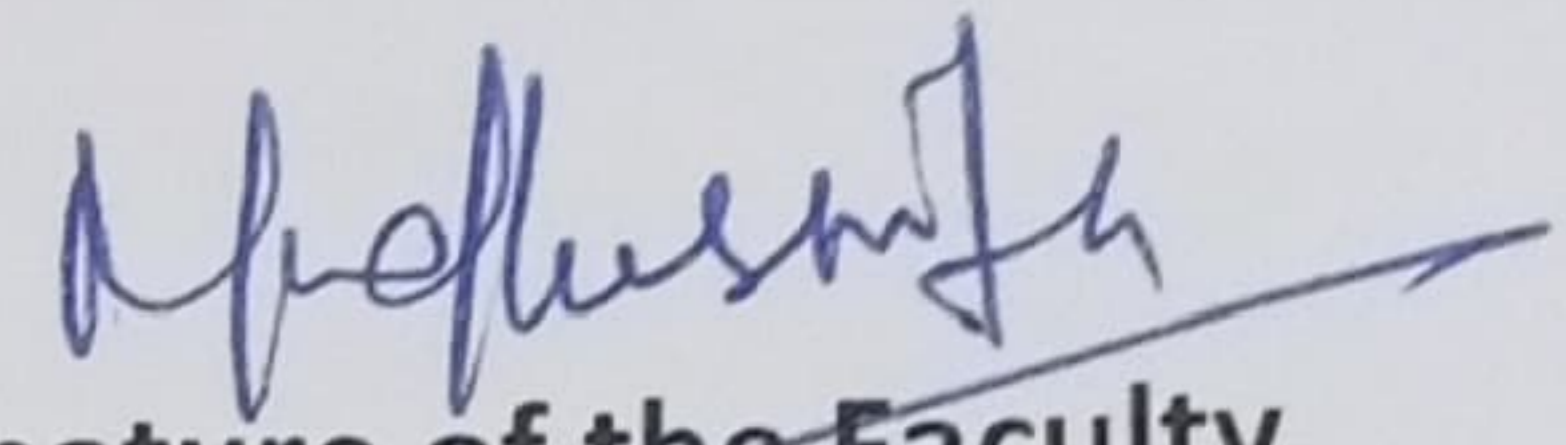


Department : Information Technology	Semester :3rd	Name of the teaching faculty: Madhusmita Dalai
Week-17 weeks	Days	Theory
Subject-Object Oriented Methodology	No.of days/per week class allotted 4p/week.	Semester from : 1st August 2023 to 30th November 2023 Topics to be covered:
August 1st week	1 st	OBJECT ORIENTED PROGRAMMING (OOPS) CONCEPTS
	2 nd	Programming Languages
	3 rd	
	3 rd	Object Oriented Programming,OOPS concepts and terminology
	4 th	Benefit of OOPS,Application of OOPS
August 2nd week	1 st	INTRODUCTION TO JAVA,What is Java ?Execution Model of Java
	2 nd	The Java Virtual Machine
	3 rd	A First Java Program
	4 th	Variables and Data types
August 3rd week	1 st	Primitive Datatypes & Declarations
	2 nd	Numeric and Character Literals
	3 rd	String Literals,Arrays, Non-Primitive Datatypes
	4 th	Casting and Type Casting
August 4th week	1 st	Widening and Narrowing Conversions
	2 nd	Operators and Expressions,Control Flow Statements
	3 rd	OBJECTS AND CLASSES,Concept and Syntax of class
	4 th	Defining a Class,Concept and Syntax of Methods
Sept-1st week	1 st	Defining Methods,Creating an Object
	2 nd	Accessing Class Members,Accessing Class Members
	3 rd	Constructors,Access specifiers
	4 th	Access Modifiers,Access Control
Sept-2nd week	1 st	USING JAVA OBJECTS,String Builder and String Buffer
	2 nd	Methods and Messages

	3 rd	Parameter Passing
	4 th	Comparing and Identifying Objects
Sept-3 rd week	1 st	Inheritance in Java
	2 nd	Use of Inheritance
	3 rd	Types of Inheritance
	4 th	Single Inheritance
Sept-4 th week	1 st	Multi-level Inheritance
	2 nd	Hierarchical Inheritance
	3 rd	Hybrid Inheritance
	4 th	POLYMORPHISM, Types of Polymorphism
Oct-1 st week	1 st	Method Overloading
	2 nd	Run time Polymorphism
	3 rd	Method Overriding
	4 th	PACKAGES: PUTTING CLASSES TOGETHER
Oct-2 nd week	1 st	Introduction, Java API Packages
	2 nd	Using System Packages
	3 rd	Naming Convention
	4 th	Creating Packages
Oct-3 rd week	1 st	Accessing a Package
	2 nd	Using a Package
	3 rd	Adding a Class to Package
	4 th	Hiding Classes
Oct-4 th week	Puja Vacation	
Nov- 1 st week	1 st	Static Import
	2 nd	JAVA FILES AND I/O
	3 rd	What is a stream
	4 th	Reading and writing to files(only txt files)
Nov- 2 nd week	1 st	Input and Output Stream
	2 nd	Manipulating Input data
	3 rd	Opening and Closing Streams
	4 th	Predefined streams
Nov- 3 rd week	1 st	File handling Classes and Methods
	2 nd	EXCEPTION HANDLING, Exceptions Overview, Exception Keywords

	3 rd	Catching Exceptions, Using Finally Statement, Exception Methods
	4 th	Declaring Exceptions, Defining and throwing exceptions
Nov- 4th week	1 st	Errors and Runtime Exceptions
	2 nd	Revision & Semester Question Answer Discussion
	3 rd	Revision & Semester Question Answer Discussion
	4 th	Revision & Semester Question Answer Discussion


Signature of the Faculty
 29/7/23