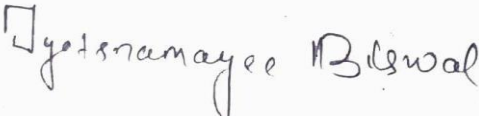


**PNS SCHOOL OF ENGINEERING AND TECHNOLOGY, MARSHAGHAI  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
LESSON PLAN**

<b>BRANCH : COMPUTER SCIENCE AND ENGINEERING</b>	<b>SEMESTER : 3rd</b>		<b>NAME OF THE TEACHING FACULTY : MISS : JYOTSNAMAYEE BISWAL</b>
<b>SUBJECT :OBJECT ORIENTED METHODOLOGY</b>	<b>NO. OF DAYS PER WEEK CLASS ALLOTTED : 05</b>		<b>SEMESTER FROM DATE : 01.08.2023 TO 30.11.2023</b>
<b>CHAPTER</b>	<b>WEEK</b>	<b>CLASS DAY</b>	<b>TOPIC TO BE COVERED</b>
<b>OBJECT ORIENTED PROGRAMMING (OOPS) CONCEPTS</b>	<b>1st</b>	<b>1st</b>	<b>OOPS Concept</b>
		<b>2nd</b>	<b>Programming languages</b>
		<b>3rd</b>	<b>Object Oriented programming</b>
		<b>4th</b>	<b>OOPS Concept and Terminology</b>
		<b>5th</b>	<b>Benifits of OOPS</b>
<b>CONTROL FLOW STATEMENT</b>	<b>2nd</b>	<b>1st</b>	<b>Application of oops</b>
		<b>2nd</b>	<b>Introduction to java what is java ?</b>
		<b>3rd</b>	<b>Execution model of java machine</b>
		<b>4th</b>	<b>A First Program and primitive data types and declaration</b>
		<b>5th</b>	<b>Numeric and character literals , string literals</b>
	<b>3rd</b>	<b>1st</b>	<b>Arrays non-primitive data types</b>
		<b>2nd</b>	<b>Casting and type casting Widening and narrowing conversions</b>
		<b>3rd</b>	<b>Operators and expressions</b>
		<b>4th</b>	<b>Control flow statements,Programming.</b>
		<b>5th</b>	<b>Objects and classes concept and syntax of class Defining a</b>
<b>OBJECT AND CLASSES</b>	<b>4th</b>	<b>1st</b>	<b>Concept and syntax of methods defining methods</b>
		<b>2nd</b>	<b>Creating an object Accesing class members</b>
		<b>3rd</b>	<b>Instance date and class data</b>

		4th	Constructors
		5th	Access specifiers , access modifiers
		1st	Access control
USING JAVA OBJECTS	5th	2nd	Using java objects string builder,String buffer
		3rd	Programming using string buffer
		4th	Methods and messages
		5th	4.3 parameter passing
		1st	4.4 comparing and identifying objects
INHERITANCE	6th	2nd	Inheritance inheritance java
		3rd	Use of inheritance
		4th	Types of inheritance single inheritance
		5th	Multi-level inheritance
		1st	Hierarchical inheritance
POLYMORPHISM	7th	2nd	Hybrid inheritance
		3rd	Polymorphism Introduction to polymorphism
		4th	Types of polymorphism
		5th	Doubt clearing class
		1st	Method overloading programming
PUTTING CLASSES TOGETHER	9th	2nd	Run time polymorphism
		3rd	Method overriding
		4th	Method overriding programming
		5th	Doubt clearing class
		1st	Packages: putting classes together Introduction
		2nd	Java Api packages
		3rd	Using system packages
		4th	Naming conventation
		5th	Creating packages Accessing a package
		1st	Hiding classes,Static import.

JAVA FILES AND I/O	10th	2nd	Java files and i/o What is system
		3rd	Reading and writing to files
		4th	Input and output stream Manipulating input data
		5th	Opening and closing streams
		EXCEPTION HANDLING	11th
2nd	File handling classes and methods		
3rd	Exception handling exceptions overview Exception keywords		
4th	Catching exceptions using finally statement		
5th	Exception methods		
EXCEPTION HANDLING	12th	1st	Declaring exceptions
		2nd	Defining and throwing
		3rd	Exceptions Errors and runtime exceptions
		4th	Doubt clearing class
		5th	Discussion of assignment question

 Jyotsnamayee Biswal

**SIGNATURE OF LECTURER**

 Biswaraj Swain

**SIGNATURE OF HOD**