

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: CSE	Semester: 3rd	Name of the Teaching Faculty: Manas Ranjan Ojha
Subject: Object Oriented Methodology	No of Days/per week class allotted: 4	Semester from Date: _____ to Date: _____ No of Weeks: 15
Week	Class Day	Theory/Practical Topics
1st	1st	ch-1 Programming Languages
	2nd	Object Oriented programming
	3rd	OOPS concept & terminology
	4th	Benefit of OOPS
	5th	
2nd	1st	Application of OOPS
	2nd	ch-2 What is Java? Execution model of Java
	3rd	The Java Virtual Machine, A First Java Program
	4th	Variables & Data types
	5th	
3rd	1st	Primitive Datatypes & Declaration
	2nd	Numeric & Character Literals
	3rd	String Literals
	4th	Arrays, non-Primitive Datatypes
	5th	
4th	1st	Casting and Type-casting
	2nd	Widening & Narrowing conversion operators
	3rd	Expression, control Flow statements
	4th	ch-3 Concepts & syntax of classes, Define class
	5th	
5th	1st	Concepts & syntax of Methods, Define Methods
	2nd	Creating an object
	3rd	Accessing class members
	4th	Instant data and class data
	5th	

Sign of Faculty

HOD

Principal 22/6/21

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Manas Ranjan Ojha

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Week

Class Day

Theory/Practical Topics

1st

constructors

2nd

Access specifiers

3rd

Access Modifier, Access control

4th

String Builder

5th

String Buffer

1st

Methods & message

2nd

Parameter Passing

3rd

comparing

4th

5th

1st

Identifying objects

2nd

Inheritance on Java

3rd

Use of Inheritance

4th

Types of Inheritance

5th

1st

Single Inheritance

2nd

Multi-level Inheritance

3rd

Hierarchical Inheritance

4th

Hybrid Inheritance

5th

1st

Controlling Inheritance

2nd

Types of Polymorphism

3rd

Controlling

4th

Method of overloading

5th

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1st	1st	continuing
	2nd	Run time Polymorphism
	3rd	continuing
	4th	Method ob overriding
	5th	
2nd	1st	continuing
	2nd	ch-1 Introduction, Java API Packages
	3rd	Using System Packages, Naming convention
	4th	creating package
	5th	
3rd	1st	Accessing a Package
	2nd	Using a package
	3rd	Adding a class to package Hiding classes
	4th	ch-2 what is a stream?
	5th	
4th	1st	Reading and writing to files (continuing) -input & output stream
	2nd	Manipulating input data opening & closing streams
	3rd	Predefined streams
	4th	File handling classes & Methods
	5th	
5th	1st	ch-3 exception Overview exception Keywords
	2nd	catching exception using Finally statement
	3rd	exception methods Declaring exceptions
	4th	Throwing & throwing exceptions Error & Runtime Exceptions.
	5th	

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