

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



LESSON PLAN
Session-2022-2023

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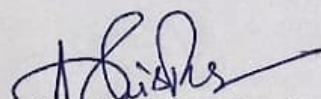
Discipline: Computer Sc. & Engg. Engg. Semester: 3rd sem.

Name of the Teaching Faculty: Ashis Behera

Subject: Object Oriented Methodology No. of Days/per week class allotted 04

Semester From Date : 15/09/22 To Date : 22/12/22 No. of Weeks : 15

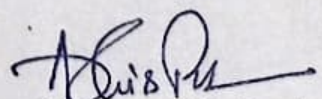
Week	Class Day	Theory /Practical Topics
Week 1	1st Day.	Basics Of Program Language and it's evolution.
	Day 2	Procedure Oriented program Language Vs Object oriented Program Language.
	Day 3	Oops concept and it's benefits
	Day 4	Examples of simple program.
Week 2	Day 1	Java and its execution Model (JVM)
	Day 2	Simple Java program and description of Key words.
	Day 3	Basic data types with Examples
	Day 4	Boolean data types with Examples.
Week 3	Day 1	Introduction of string and it's representation & Example
	Day 2	Introduction to Array and it's representation with Example.
	Day 3	Type Casting with Example.
	Day 4	Expression and operators with Examples.


Signature of the Faculty

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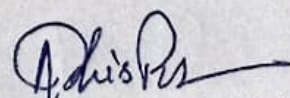
Week	Class Day	Theory /Practical Topics
Week 4	Day 1	Control statements with Examples.
	Day 2	Loops with Example.
	Day 3	Introduction to class and Methods with Examples.
	Day 4	Constructor and Example.
Week 5	Day 1	Parameterized Constructors with Example.
	Day 2	Access Specifier and their Uses.
	Day 3	Access Modifier and their uses
	Day 4	Introduction to String objects.
Week 6	Day 1	String Buffer, it's Uses with Example.
	Day 2	Types of methods with Examples.
	Day 3	Methods with passing parameter.
	Day 4	Passing object as parameter with example.


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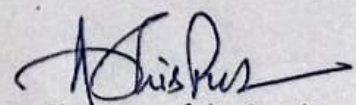
Week	Class Day	Theory /Practical Topics
Week 7	Day 1	Introduction to Inheritance.
	Day 2	Inheritance application and it's type with example.
	Day 3	Single inheritance with example.
	Day 4	Multilevel inheritance with example.
Week 8	Day 1	Hierarchical Inheritance.
	Day 2	Hybrid inheritance.
	Day 3	this pointer and super keyword it's uses.
	Day 4	Polymorphism Concept.
Week 9	Day 1	Method overloading with Example.
	Day 2	Constructor overloading.
	Day 3	Run time polymorphism.
	Day 4	Method Overriding with Example.


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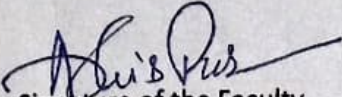
Week	Class Day	Theory / Practical Topics
Week 10	Day 1	Method overriding with Example.
	Day 2	overriding with super keyword.
	Day 3	Introduction to Java API
	Day 4	Java API Packages.
Week 11	Day 1	Java API Packages with Examples
	Day 2	User defined packages
	Day 3	User defined packages & Adding Methods with Examples.
	Day 4	Introduction to Stream.
Week 12	Day 1	Introduction to I/O packages.
	Day 2	Types of IO packages with Example.
	Day 3	Input & output data with Example.
	Day 4	Pre-defined streams with Examples


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Week	Class Day	Theory / Practical Topics
Week 13	Day 1	Methods of file handling with Example.
	Day 2	Introduction to Exception
	Day 3	Try-catch with Example..
	Day 4	Use of throw keywords
Week 14	Day 1	User-defined Exception & Example.
	Day 2	finally Statement & it's use.
	Day 3	throw keyword and it's uses.
	Day 4	Introduction to Abstract class.
Week 15	Day 1	Interface & it's uses with example.
	Day 2	Throwable class with example.
	Day 3	Exception class & it's to hierarchy.
	Day 4	Examples on Interfaces & Abstract class.


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