



SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY
LESSION PLAN (WINTER 2022)

Discipline- Computer Science & Engineering	Semester- 3rd	Faculty Name- KRUPAMAYEE MOHAPATRA
Subject- Object Oriented Methodologies	No of days/ per week class allotted-5	Semester from date- 06/09/2022 to 21/01/2023 No of weeks-20
Week	Class day	Theory Topics
SEP 2ND	06-09-22	Programming Languages,Object Oriented Programming
	07-09-22	OOPS concepts and terminolgy
	08-09-22	OOPS concepts and terminolgy
	10-09-22	Benefits of OOPS,Application of OOPS
	10-09-22	Doubt Clearing Class
SEP 3RD	12-09-22	What is JAVA?Execution model of JAVA
	13-09-22	The java virtual machine
	14-09-22	The java virtual machine
	15-09-22	A first java program
	16-09-22	Variables
SEP 4TH	19-09-22	Data types
	20-09-22	Primitive datatypes and declarations
	21-09-22	The java virtual machine
	22-09-22	The java virtual machine
	23-09-22	String Literals
	24-09-22	Arrays,Non-Primitive Datatypes
SEP 5TH	26-09-22	Casting and Type Casting
	27-09-22	Casting and Type Casting
	28-09-22	Widening and Narrowing Conversions
	29-09-22	Operators and Expressions
	30-09-22	Doubt Clearing Class
OCT 2ND	06-10-22	Contorl Flow Statements
	07-10-22	control flow statements
OCT 3RD	10-10-22	control flow statements
	11-10-22	Concept and Syntax of class
	12-10-22	Defining a class
	13-10-22	Defining a class
	14-10-22	Concept and Syntax of method
OCT 4TH	17-10-22	Defining methods
	18-10-22	Creating an object,Accessing class members
	19-10-22	Creating an object,Accessing class members
	20-10-22	Instance data and class data,Constructiors
	21-10-22	Access specifiers,Access modifiers and Access control
OCT 5TH	24-10-22	String builder and String buffer
	26-10-22	String builder and String buffer
	27-10-22	Methods and Messages
	28-10-22	Parameter Passing
NOV 1ST	01-11-22	Parameter Passing
	02-11-22	Comparing and identifying objects
	03-11-22	Comparing and identifying objects
	04-11-22	Inheritance in java and use of inheritance
	07-11-22	Inheritance in java and use of inheritance
	08-11-22	Types of inheritance,Single inheritance,Multi-level inheritance


NOV 2ND	09-11-22	Hierarchical inheritance ,Hybrid inheritance
	10-11-22	Hierarchical inheritance ,Hybrid inheritance
	11-11-22	Types of polymorphism,Method overloading
NOV 3RD	14-11-22	Run time polymorphism
	15-11-22	Run time polymorphism
	16-11-22	Method overriding
	17-11-22	Method overriding
	18-11-22	Introduction of packages,Java API packages,Using system packages
NOV 4TH	21-11-22	Java API packages
	22-11-22	Java API packages
	23-11-22	Naming convention
	24-11-22	Creating packages
	25-11-22	Doubt Clearing Class
NOV 5TH	28-11-22	Class test
	29-11-22	What is a stream?Reading and writing to files.
	30-11-22	What is a stream?Reading and writing to files.
DEC 1ST	01-12-22	Input and output stream
	02-12-22	Manipulating input data,Opening and closing streams
DEC 2ND	05-12-22	Manipulating input data,Opening and closing streams
	06-12-22	Predefined streams,File handling classes and methods
	07-12-22	Predefined streams,File handling classes and methods
	08-12-22	Doubt Clearing Class
	09-12-22	Class test
DEC 3RD	12-12-22	Exception overview,Exception keywords
	13-12-22	Catching exceptions
	14-12-22	Catching exceptions
	15-12-22	Using finally statement
	16-12-22	Using finally statement
DEC 4th	19-12-22	Exception methods
	20-12-22	Exception methods
	21-12-22	Declaring exceptions
	22-12-22	Declaring exceptions
	02-01-23	Doubt Clearing Class
JAN 1ST	03-01-23	Class test
	05-01-23	Defining and throwing exceptions
	09-01-23	Defining and throwing exceptions
JAN 2ND	11-01-23	Errors and runtime exceptions
	12-01-23	Errors and runtime exceptions
	13-01-23	ASSIGNMENT
JAN 3RD	16-01-23	Doubt Clearing Class
	18-01-23	Doubt Clearing Class
	20-01-23	Class test

Total no. of Classes: 85
 No. of Theory Classes: 68
 No. of Tutorial Classes: 5
 No. of Digital Classes: 5
 No. of PPT Classes: 7


 H.O.D.

Computer Science & Engineering
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