DEPARTMENT OF COMPUTER SCIENCE & DESIGN

LESSON PLAN & WORK-DONE DIARY FOR AY:2024-25, ODD SEMESTER

Course with Code: Object Oriented programming with Java - BCS306A				Faculty: Mrs. Yeshashwini Bhandari K R				Semester & Section: III Sem	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered		TLP Executed	Remarks if any deviation
MODULE-1									
1		An overview of Java: Object oriented programming	Chalk & Talk						
2		Object-Oriented Programming	PPT						
3		The Three OOP Principles, Using Blocks of Code	PPT						
4		Lexical Issues	PPT						
5		Data Types, Variables	PPT						
6		Variables, Type Conversion	PPT						
7		Arrays	PPT						
8		Introducing Type Inference with Local Variables.	PPT						
9		Operators	PPT						
10		Java's Selection Statements	PPT						
11		Iteration Statements	PPT						
12		Jump Statements	PPT						
13		Program 1 and Program 2	PPT						

MODULE-2								
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
14		Class Fundamentals, Declaring Objects	Chalk & talk					
15		Assigning Object Reference Variables, Introducing Methods,	PPT					
16		Constructors	PPT					
17		This Keyword	PPT					
18		Garbage Collection.	PPT					
19		Overloading Methods	PPT					
20		Objects as Parameters	PPT					
21		Argument Passing, Returning Objects	PPT					
22		Recursion, Access Control	PPT					
23		Understanding static, Introducing final	PPT					
24		Introducing Nested and Inner Classes.	PPT					
		Quiz-1 on Module 1 & 2						

					MODULE-3			
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
25		Inheritance Basics, Using super	PPT					
26		Creating a Multilevel Hierarchy	PPT					
27		When Constructors Are Executed	PPT					
28		Method Overriding, Dynamic Method Dispatch	PPT					
29		Using Abstract Classes	PPT					
30		Using final with Inheritance	PPT					
31		Local Variable Type Inference and Inheritance,	PPT					
32		The Object Class.	PPT					
33		Interfaces, Default Interface Methods,	PPT					
34		Use static Methods in an Interface,	PPT					
35		Private Interface Methods.	PPT					
36		Program 3,4 &5	PPT					
		Activity on Module-3						

					MODULE-4			
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
37		Packages, Packages and Member Access, Importing Packages.	PPT					
38		Exception-Handling Fundamentals,	PPT					
39		Exception Types, Uncaught Exceptions	PPT					
40		Using try and catch, Multiple catch Clauses	PPT					
41		Nested try Statements,	PPT					
42		throw, throws, finally	PPT					
43		Java's Built-in Exceptions	PPT					
44		Creating Your Own Exception Subclasses	PPT					
45		Chained Exceptions	PPT					
46		Program 6,7 &8	PPT					
		Quiz-2 on Module-4						

						MODULE-5			
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered		TLP Executed	Remarks if any deviation
47		The Java Thread Model, The Main Thread, Creating a Thread, Creating Multiple Threads	PPT						
48		Using isAlive() and join(), Thread Priorities	PPT						
49		Synchronization, Interthread Communication	PPT						
50		Suspending, Resuming, and Stopping Threads, Obtaining a Thread's State	PPT						
51		Enumerations (Enumeration Fundamentals, The values() and valueOf() Methods)	PPT						
52		Type Wrappers (Character, Boolean, The Numeric Type Wrappers)	PPT						
53		Autoboxing	PPT						
54		Program 9&10	PPT						
		Activity on Program 11 & 12	PPT						

	Activity	Planned	Actual	Remarks
1	Theory Classes	44+12		
2	Assignments/Quizzes/Activity/ Self-study	2/2		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			**Execution**	
Faculty Signature:			**Faculty Signature:**	
HoD Signature:			**HoD Signature:**	