

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Lesson Plan & Work-done Diary for AY: 2026-27 (Odd Semester)

Course with Code: Object Oriented Programming With Java - 1BCS302				Faculty:			Semester: 3rd	
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
1		Module 1: An Overview of Java: Object-Oriented Programming (Two Paradigms, Abstraction, The Three OOP Principles)	PPT + Chalk & Board	1				
2		Using Blocks of Code, Lexical Issues (Whitespace, Identifiers, Literals, Comments, Separators, The Java Keywords).	PPT + Chalk & Board	2				
3		Different data types : The Primitive Types (Integers, Floating-Point Types, Characters, Booleans)	PPT + Chalk & Board	3				
4		Variables, Type Conversion and Casting, Automatic Type Promotion in Expressions, Arrays.	PPT + Chalk & Board	4				
5		Types of Operators, Using parantheses	PPT + Chalk & Board	5				
6		Selection statements, Iterations statements	PPT + Chalk & Board	6				



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7		Programming Examples on selection and Iteration statements.	PPT + Chalk & Board	7				
8		Nested loops, Jump statements	PPT + Chalk & Board	8				
9		Programming examples on loops and jump statements	PPT + Chalk & Board	9				
10		Module 2: Class Fundamentals, Declaring Objects	PPT + Chalk & Board	10				
11		Assigning Object Reference Variables, Introducing Methods	PPT + Chalk & Board	11				
12		Methods continuation, Constructors	PPT+ chalk& Board	12				
13		the 'this' Keyword, and Garbage Collection.	PPT + Chalk & Board	13				
14		Methods and Classes: Overloading Methods	PPT + Chalk & Board	14				



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15		Using Objects as Parameters, Argument Passing	PPT + Chalk & Board	15				
16		Returning Objects, Recursion, Introducing Access Control	PPT + Chalk & Board	16				
17		Understanding static, Introducing final, Introducing Nested and Inner Classes	PPT + Chalk & Board	17				
18		Module 3 : Inheritance: Inheritance Basics	PPT + Chalk & Board	18				
19		Using super, Creating a Multilevel Hierarchy, When Constructors Are Executed	PPT + Chalk & Board	19				
20		Method Overriding, Dynamic Method Dispatch	PPT + Chalk & Board	20				



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21		Using Abstract Classes, Using `final` with Inheritance, Local Variable Type Inference and Inheritance	PPT + Chalk & Board	21`				
22		The Object Class, Packages Introduction	PPT + Chalk & Board	22				
23		Packages and Member Access, Importing Packages.	PPT + Chalk & Board	23				
24		Interfaces: Interfaces, Default Interface Methods	PPT + Chalk & Board	24				
25		Use static Methods in an Interface, Private Interface Methods.	PPT + Chalk & Board	25				
26		Module 4 : Exceptions: Exception-Handling Fundamentals, Exception Types	PPT + Chalk & Board	26				



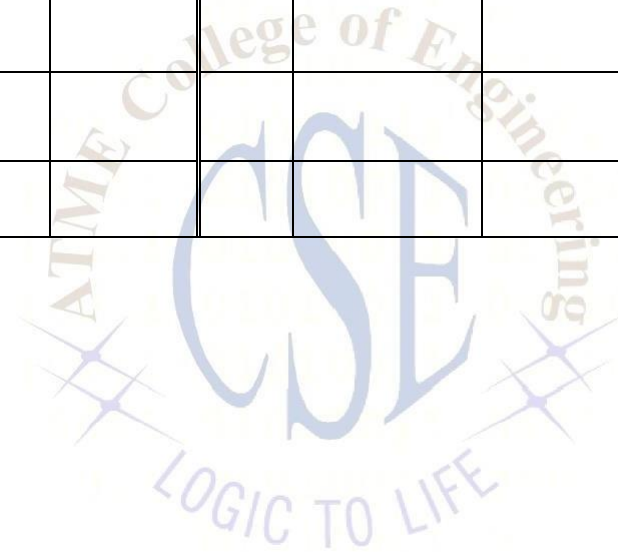
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27		Uncaught Exceptions, Using try and catch	PPT + Chalk & Board	27				
28		Multiple catch Clauses, Nested try Statements						
29		throw, throws, finally, Java's Built-in Exceptions, Creating Your Own Exception Subclasses, Chained Exceptions						
30		Multithreaded Programming: The Java Thread Model						
31		The Main Thread, Creating a Thread, Creating Multiple Threads,						
32		Using isAlive() and join()						
33		Thread Priorities, Obtaining a Thread's State.						
34		Module 5 : Enumerations : Enumerations (Enumeration Fundamentals, The values() and valueOf() Methods)						
35		Type Wrappers (Character, Boolean, The Numeric Type Wrappers)						
36		AutoBoxing, AutoUnboxing						



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37		Autoboxing/Unboxing Occurs in Expressions						
38		Autoboxing/Unboxing Boolean and Character Values						
39		Generics: A Simple Generics Example						
40		A Generic Class with Two Type Parameters						
41		The General Form of a Generic Class						
42		Programming Examples						





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	Activity	Planned	Actual	Remarks
1	Theory Classes / Lab Session	42		
2	Assignments/ Quizzes/ Self-study	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:	