

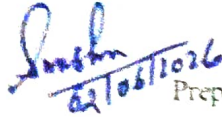
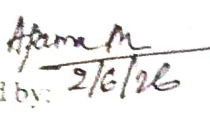


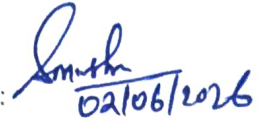
SYNERGY SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
Lesson Plan of PWJ Lab

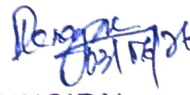
Discipline : CSE	Semester: - 5 TH Sem	Name of the teaching faculty: - Mrs. Smrutimayee Mishra		
Subject: - PWJ Lab	No. of Days/week class Allotted: 4	No. of weeks: -15 SESSION-2026-27 WINTER		
No. of week	No. of lab class	Topic to be Taught	DATE OF DELIVERY	
			G1	G2
1 ST	1 st	Java JDK Installation, IDE Setup, Environment VariablesHello World Program, Compilation and Execution		
	2 nd	Java JDK Installation, IDE Setup, Environment VariablesHello World Program, Compilation and Execution		
2 ND	1 st	Variables and Data Types Arrays and User Input using Scanner		
	2 nd	Variables and Data Types Arrays and User Input using Scanner		
3 RD	1 st	Arithmetic Operators Programs Relational and Logical Operators Programs		
	2 nd	Arithmetic Operators Programs Relational and Logical Operators Programs		
4 TH	1 st	Operator Precedence and Mixed ExpressionsMini Programs on Expressions and Operators		
	2 nd	Operator Precedence and Mixed ExpressionsMini Programs on Expressions and Operators		
5 TH	1 st	If-Else and Nested If Programs Switch Case Programs		
	2 nd	If-Else and Nested If Programs Switch Case Programs		
6 TH	1 st	While and Do-While Loops For Loop and Pattern Programs		
	2 nd	While and Do-While Loops For Loop and Pattern Programs		
7 TH	1 st	Break, Continue, Nested Loops Number-Based Programs (Prime, Factorial, Fibonacci)		
	2 nd	Break, Continue, Nested Loops Number-Based Programs (Prime, Factorial, Fibonacci)		
8 TH	1 st	Creating Classes and Objects Methods and Method Calling		
	2 nd	Creating Classes and Objects Methods and Method Calling		
9 TH	1 st	Default and Parameterized Constructors Method Overloading, this and new Keywords		
	2 nd	Default and Parameterized Constructors Method Overloading, this and new Keywords		
10 TH	1 st	Static Variables and Static MethodsStatic Block, Final Keyword, Access Modifiers		
	2 nd	Static Variables and Static MethodsStatic Block, Final Keyword, Access Modifiers		
11 TH	1 st	Single and Multilevel Inheritance Constructor Chaining and super Keyword		
	2 nd	Single and Multilevel Inheritance Constructor Chaining and super Keyword		
12 TH	1 st	Method Overriding Dynamic Method Dispatch		
	2 nd	Method Overriding Dynamic Method Dispatch		
13 TH	1 st	Abstract Classes and Abstract Methods Final Class, Final Method, Packages		
	2 nd	Abstract Classes and Abstract Methods Final Class, Final Method, Packages		
14 TH	1 st	Exception Handling (try-catch-finally) User Defined		

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		Exception, throw and throws		
	2 nd	Exception Handling (try-catch-finally) Exception, throw and throws	User Defined	
15 TH	1 st	Interfaces and Interface Inheritance Collections (ArrayList, HashMap), String, StringBuilder, File I/O Programs		
	2 nd	Interfaces and Interface Inheritance Collections (ArrayList, HashMap), String, StringBuilder, File I/O Programs		

 02/06/2026
 Prepared by:  2/6/26

Verified by:  02/06/2026


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