

## Department of Computer Science & Design

### Lesson Plan & Work-done Diary for AY: 2024, EVEN Semester

Course with Code: Principles of Programming using C-BPOPS203				Faculty: Darshini Y			Semester & Section: III	
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
<b>MODULE-1</b>								
1.		<b>Introduction to C:</b> Introduction to computers, input and output devices,	PPT	1.				
2.		designing efficient programs. Introduction to C,	PPT	2.				
3.		Structure of C program, Files used in a C program,	PPT	3.				
4.		Compilers, Compiling and executing C programs,	PPT	4.				
5.		variables, constants,	PPT	5.				
6.		Input/output statements in C,	PPT	6.				
7.		Operators in C, Type conversion and typecasting.	PPT	7.				

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MODULE-2								
1.		<b>Decision control and Looping statements:</b> Introduction to decision control,	PPT	1.				
2.		Conditional branching statements,	PPT	2.				
3.		iterative statements,	PPT	3.				
4.		nested loops,	PPT	4.				
5.		break and continue statements,	PPT	5.				
6.		goto statement.	PPT	6.				

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<b>MODULE-3</b>								
1.		<b>Functions:</b> Introduction using functions, Function definition,	PPT	1.				
2.		function declaration, function call, return statement,	PPT	2.				
3.		passing parameters to functions, scope of variables,	PPT	3.				
4.		storage classes, recursive functions.	PPT	4.				
5.		<b>Arrays:</b> Declaration of arrays,	PPT	5.				
6.		accessing the elements of an array, storing values in arrays,	PPT	6.				
7.		Operations on arrays, Passing arrays to functions, two dimensional arrays	PPT	7.				
8.		operations on two-dimensional arrays, two- dimensional arrays to functions, multidimensional arrays, applications of arrays.	PPT	8.				

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<b>MODULE-4</b>								
1.		Strings and Pointers: Introduction, string taxonomy, operations on strings,	PPT	1.				
2.		Miscellaneous string and character functions,	PPT	2.				
3.		arrays of strings,	PPT	3.				
4.		<b>Pointers:</b> Introduction to pointers,	PPT	4.				
5.		declaring pointer variables, Types of pointer,	PPT	5.				
6.		Passing arguments to functions using pointers.	PPT	6.				

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<b>MODULE-5</b>								
1.		<b>Structure, Union, and Enumerated Data Type:</b> Introduction, structures and functions,	PPT	1.				
2.		Unions, unions inside structures,	PPT	2.				
3.		Enumerated data type.	PPT	3.				
4.		<b>Files:</b> Introduction to files,	PPT	4.				
5.		using files in C,	PPT	5.				
6.		reading and writing data files. , Detecting end of file.	PPT	6.				

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
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:	