

LESSON PLAN

Contact Hour (Cumulative)	Unit No.	Topic	Teaching(*) Methodology	Remarks
1(2)	1.	Introduction to programming, components of computer system		Co (C)
2(4)		Algorithm, flowchart.		
3(5)		Program development steps, C, Tokens.		
1(7)		C Tokens, datatypes		
2(9)		operator precedence and associativity, structure of C program.		
1(10)		Simple programs using basic I/O statements		
2(12)	2.	control structures:- if, if-else, nested if, if-else-if ladder.		
1(13)		Switch, Iterative statements		
2(14)		Branching: Break and continue		
3(15)		Arrays: Def, Types.		
1(17)		Types of arrays: initialization accessing elements.		
2(19)		Matrix operations		
1(21)		String Handling.		
2(23)	3.	Functions:- Def, Declaration, Types of functions.		
3(25)		Parameter Passing, call by value & call by reference.		
1(27)		Passing Arrays to functions.		
2(29)		Recursion, scope & life time of variables.		
2(31)		command line arguments storage classes.		
2(32)		Pointers:- Def, Declaration, Initialization.		
1(34)		Pointer arithmetic, functions & Pointers.		

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2(36)		Pointer to Pointer	1	
1(38)		use of pointers, arrays and pointers		
2(40)	4.	Structures:- Def, Declaration, Accessing the structure elements		
3(42)		Array of structures.		
1(43)		Array within structures,		
2(44)		Pointer to structure		
1(45)		self referential structure		
2(46)		Passing structure to function.		
2(47)		nested structures and unions.		
4(50)		Dynamic memory allocation.		
1(52)	5.	File handling: Introduction, Types of file		
1(54)		Defining and opening a file.		
2(55)		closing a file.		
4(55)		File operations on files.		
4(56)		Error handling during file operations.		
4(57)		Random Access to Files.		