



Aggarwal College Ballabgarh

LESSON PLAN
18 WEEKS (JULY-NOV)-2024

Name of Faculty: Poonam Jain
Designation/ Department: Computer Science

CLASS: BA Eco Hons

SEMESTER: 1

SECTION:

SUBJECT: Fundamentals of Computing
and Problem Solving using C(24CSC401MI01)

WEEK	DATE	TOPIC TO BE COVERED
1	1-08-2024	Unit 1-Computing Fundamentals: Overview of computing principles and history
	2-08-2024	Generations of Computers,
	3-08-2024	Block Diagram along with its components,
	4-08-2024	S. U. N. D. A. Y.
	5-08-2024	
	6-08-2024	
	7-08-2024	H.O.L.I. D. A. Y.
2	8-08-2024	Classification of computers, Applications of computers in various fields.
	9-08-2024	Input/Output Devices,
	10-08-2024	Memory: Concept of primary & secondary memory, Cache Memory,
	11-08-2024	S. U. N. D. A. Y.
	12-08-2024	
	13-08-2024	
	14-08-2024	Secondary storage devices
3	15-08-2024	H.O.L.I. D. A. Y.

	16-08-2024	Introduction to computer networking, Network types
	17-08-2024	Network topologies
	18-08-2024	S. U. N. D. A. Y.
	19-08-2024	H.O.L.I. D. A. Y.
	20-08-2024	
	21-08-2024	Internet and its applications
4	22-08-2024	Operating system and its functions.
	23-08-2024	Revision
	24-08-2024	Test
	25-08-2024	S. U. N. D. A. Y.
	26-08-2024	HOLIDAY
	27-08-2024	
	28-08-2024	Unit 2-Introduction to software development methodologies
5	29-08-2024	Basics of algorithmic thinking and problem-solving Strategies
	30-08-2024	Planning the Computer Program:
	31-08-2024	Problem definition, Program design,
	1-09-2024	S. U. N. D. A. Y.
	2-09-2024	
	3-09-2024	
	4-09-2024	Debugging, Types of errors in programming
6	5-09-2024	Techniques of Problem Solving-Flowcharting, Algorithms
	6-09-2024	Test
	7-09-2024	Introduction to the C programming language: History of C, Importance of C

	8-09-2024	S. U. N. D. A. Y.
	9-09-2024	
	10-09-2024	
	11-09-2024	Elements of C: C character set, identifiers and keywords
7	12-09-2024	Data types, Constants and Variables
	13-09-2024	Assignment statement, Symbolic constant
	14-09-2024	Structure of a C Program, printf(), scanf() Functions,
	15-09-2024	S. U. N. D. A. Y.
	16-09-2024	
	17-09-2024	
	18-09-2024	Operators & Expression, operator hierarchy & associativity.
8	19-09-2024	type casting and conversion,
	20-09-2024	Revision
	21-09-2024	Test
	22-09-2024	S. U. N. D. A. Y.
	23-09-2024	H.O.L.I. D. A. Y.
	24-09-2024	
	25-09-2024	Unit 3-Decision making & Branching: Decision making with IF statement, IF-ELSE statement,
9	26-09-2024	Nested IF statement, ELSE-IF ladder, switch statement, go to statement.
	27-09-2024	Decision making & Looping: while, do-while and for loop
	28-09-2024	jumps in loops, break, continue statement, Nested loops
	29-09-2024	S. U. N. D. A. Y.
	30-09-2024	

	1-10-2024	
	2-10-2024	HOLIDAY
10	3-10-2024	Functions and modular programming concepts:
	4-10-2024	HOLIDAY
	5-10-2024	Standard Mathematical functions, Input/output: Unformatted & formatted I/O function in C,
	6-10-2024	S. U. N. D. A. Y.
	7-10-2024	
	8-10-2024	
	9-10-2024	string manipulation functions.
11	10-10-2024	User defined functions: Introduction/Definition, function prototype,
	11-10-2024	Local and global variables, passing parameters, recursion.
	12-10-2024	HOLIDAY
	13-10-2024	S. U. N. D. A. Y.
	14-10-2024	
	15-10-2024	
	16-10-2024	Revision
12	17-10-2024	HOLIDAY
	18-10-2024	Test
	19-10-2024	Test
	20-10-2024	S. U. N. D. A. Y.
	21-10-2024	
	22-10-2024	
	23-10-2024	Unit 4-Definition, types, initialization, processing an array,
13	24-10-2024	passing arrays to functions

	25-10-2024	declaration and initialization of string, Input/output of string data,
	26-10-2024	Introduction to pointers.
	27-10-2024	S. U. N. D. A. Y.
	28-10-2024	DIWALI BREAK
	29-10-2024	DIWALI BREAK
	30-10-2024	DIWALI BREAK
14	31-10-2024	DIWALI BREAK
	1-11-2024	DIWALI BREAK
	2-11-2024	DIWALI BREAK
	3-11-2024	S. U. N. D. A. Y.
	4-11-2024	
	5-11-2024	
	6-11-2024	Revision
15	7-11-2024	Pointers and memory management in C;
	8-11-2024	File input/output operations in C;
	9-11-2024	Dynamic memory allocation and deallocation
	10-11-2024	ZONAL YOUTH FESTIVAL
	11-11-2024	ZONAL YOUTH FESTIVAL
	12-11-2024	ZONAL YOUTH FESTIVAL
	13-11-2024	Holiday
16	14-11-2024	Advanced control structures: switch, break, and continue statements.
	15-11-2024	
	16-11-2024	Practical applications of C programming in software development
	17-11-2024	S. U. N. D. A. Y.

	18-11-2024	
	19-11-2024	
	20-11-2024	Algorithmic problem-solving using C programming constructs
17	21-11-2024	Design and implementation of C programs
	22-11-2024	Design and implementation of C programs;
	23-11-2024	Best practices and coding standards in C programming.
	24-11-2024	S. U. N. D. A. Y.
	25-11-2024	Revision
	26-11-2024	Test
	27-11-2024	Presentation
18	28-11-2024	Presentation
	29-11-2024	Revision
	30-11-2024	Revision
	1-12-2024	S. U. N. D. A. Y.
	2-12-2024	Test
	3-12-2024	Presentation
	4-12-2024	Test
	5-12-2024	Test

Signature