ATME College of Engineering

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

LESSON PLAN & WORK-DONE DIARY FOR MCA AY:2024-25, ODDSEMESTER

Course with Code: PROGRAMMING AND PROBLEM SOLVING IN C MMC101				Faculty: Ms. Divyashree B K				Semester & Section: I Sem-'B' Sec
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**
MODULE-1								
1		Introduction to programming paradigms	PPT	1			PPT	
2		Applications of C Language	PPT	2			PPT	
3		Structure of a C program	PPT & CHALK	3			PPT & CHALK	
4		Data types, Constants, Enumeration Constants, and Keywords	PPT & CHALK	4			PPT & CHALK	
5		Operators: Precedence, Associativity, and Expressions	PPT & CHALK	5			PPT & CHALK	
6		Input/Output and Assignment Statements	PPT & CHALK	6			PPT & CHALK	
7		Decision-making statements & Switch statement	PPT & CHALK	7			PPT & CHALK	
8		Looping statements	PPT & CHALK	8			PPT & CHALK	
9		Preprocessor directives & Compilation process	PPT & CHALK	9			PPT & CHALK	
10		Practical Examples on Basic Concepts						

MODULE-2								
11		Introduction to Arrays, Declaration, and Initialization		10			PPT & CHALK	
12		One-dimensional arrays	PPT & CHALK	11			PPT & CHALK	
13		Two-dimensional arrays	PPT & CHALK	12			PPT & CHALK	
14		String operations: Length, Compare	PPT & CHALK	13			PPT & CHALK	
15		String operations: Concatenate, Copy	PPT & CHALK	14			PPT & CHALK	
16		Selection Sort, Linear Search	PPT & CHALK	15			PPT & CHALK	
17		Binary Search	PPT & CHALK	16			PPT & CHALK	
18		Applications of Arrays and Strings	PPT & CHALK	17			PPT & CHALK	
19		Advanced Array Concepts						

MODULE-3								
20		Introduction to Modular Programming	PPT & CHALK	18			PPT & CHALK	
21		Function Prototype, Definition, and Call	PPT & CHALK	19			PPT & CHALK	
22		Built-in Functions (String and Math functions)	PPT & CHALK	20			PPT & CHALK	
23		Recursion and its Applications	PPT & CHALK	21			PPT & CHALK	
24		Introduction to Pointers and Pointer Operators	PPT & CHALK	22			PPT & CHALK	
25		Pointer Arithmetic	PPT & CHALK	23			PPT & CHALK	
26		Arrays and Pointers	PPT & CHALK	24			PPT & CHALK	
27		Array of Pointers	PPT & CHALK	25			PPT & CHALK	
28		Parameter Passing: Pass by Value, Pass by Reference	PPT & CHALK	26			PPT & CHALK	
29		Advanced Pointer Concepts						

MODULE-4								
30		Introduction to Structures	PPT & CHALK	27			PPT & CHALK	
31		Nested Structures	PPT & CHALK	28			PPT & CHALK	
32		Pointers and Structures	PPT & CHALK	29			PPT & CHALK	
33		Array of Structures	PPT & CHALK	30			PPT & CHALK	
34		Self-referential Structures	PPT & CHALK	31			PPT & CHALK	
35		Dynamic Memory Allocation	PPT & CHALK	32			PPT & CHALK	
36		Singly Linked List	PPT & CHALK	33			PPT & CHALK	
37		Typedef and Union	PPT & CHALK	34			PPT & CHALK	
38		Storage Classes and Visibility	PPT & CHALK	35			PPT & CHALK	
39		Advanced Structures Concepts						

MODULE-5								
40		Introduction to File Handling	PPT & CHALK				PPT & CHALK	
41		File Operations: Open, Read, Write, Close	PPT & CHALK				PPT & CHALK	
42		Types of File Processing: Sequential Access	PPT & CHALK				PPT & CHALK	
43		Random Access File	PPT & CHALK				PPT & CHALK	
44		Command Line Arguments	PPT & CHALK				PPT & CHALK	
45		Applications of File Handling	PPT & CHALK				PPT & CHALK	
46		Error Handling in File Operations	PPT & CHALK				PPT & CHALK	
47		Practical Applications of File Processing	PPT & CHALK				PPT & CHALK	
48		Summary and Revision Q&A and Discussion						

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

	Activity	Planned	Actual	Remarks
1	Theory Classes	40+10	40+10	
2	Assignments/Quizzes/Activity/ Self-study	2/2	2/2	
3	Tutorials/ Extra classes	-	-	
4	Internal Assessments	3	3	
5	ICT based Teaching (% of usage in Curriculum)	100%	100%	
Planning			**Execution**	
Faculty Signature:			**Faculty Signature:**	
HoD Signature:			**HoD Signature:**	

Sd/-
Divyashree B K