

# Lesson Plan

Name of the Faculty: Dr. V Ravi Kumar, Subject: Programming for problem solving

Branch: .Bridge course. Year: I Section:

Semester: I Sem, AY: 2024-25

Sno:	Lecture No	Topic to be Covered
1	1	<b>Introduction To C Language:</b> variables, Syntax and Logical Errors in compilation, object and executable code
2	1	Representation of Algorithm and Flow charts
3	2	Program design and structured programming
5	3	Data types, Operators
6	4	<b>Conditional Branching statements</b> (if,if-else,nested if-else, else if ladder, switch case statements)
7	4	<b>Control statements</b> (for, while, do-while loops)
8	5	Programs with examples.
9	6	<b>Arrays:</b> One and two dimensional array
10	7	<b>Strings:</b> Introduction to strings,
11	7	basic string functions available in C (strlen, strcat, strcpy, strstr etc.), arrays of strings
12	8	<b>Functions:</b> Declaring a function, Parameters and return type of a function,
13	8	passing parameters to functions, call by value, call by reference
14	9	<b>Recursion:</b> Simple programs, such as Finding Factorial, Fibonacci series etc., Limitations of Recursive functions
15	10	<b>Pointers:</b> Idea of pointers, Defining pointers, Dynamic memory allocation
16	10	<b>Structures and Unions:</b> Defining structures, Initializing structures, unions

Faculty Signature: .....

HOD Signature: .....

Date: .....