Lesson Plan

Name of the Faculty:	Er. Priyanka Sharma
Discipline:	B.Tech. (CSE, IT, ELC, MME)
Semester:	1st or 2nd
Subject& Code:	Programming for Problem Solving B23-ESC101
Work Load (Lecture/Practical) per week (In hours):	Lecture-3 Practical-2

S. No.	Lecture	Topics
1.	L1.	Introduction to Programming
2.	L2.	Introduction to components of a computer system
3.	L3.	Disks, Memory
4.	L4.	Processor,
5.	L5.	Operating System, Compilers
6.	L6.	Algorithm Writing
7.	L7.	Flowchart,
8.	L8.	Pseudocode with examples
9.	L9.	From algorithms to programs.
10.	L10.	C language variables
11.		**Revision**
12.		**Home Assignment 1**
13.	L11.	Data Types
14.	L12.	Syntax and Logical Errors in compilation
15.	L13.	Object and Executable code
16.	L14.	Operator- Arithmetic
17.	L15.	Relational and Logical
18.	.	**Revision**
19.		**Home Assignment 2**
20.	L16	Bitwise operator and Precedence
21.	L17.	Conditional Branching

22.	L18.	Loops
23.	L19.	Arrays(1D-2D)
24.	L20.	Character arrays and strings
25.	L21.	Defining Structures and array of structure
26.		**Revision**
27.	L22.	Pointers
28.	L23.	Idea and defining pointers
29.	L24.	Use of pointers in self referential structures
30.	L25.	Notion of linked list
31.	L26.	Functions (including using built in libraries)
32.	L27.	Parameter passing in function
33.		**Revision**
34		**Home Assignment 3**
35.	L28.	Call by value
36.	L29.	Call by reference. Difference between call by value and call by reference
37.	L30.	Introduction to Recursion, Implementation of recursion
38.	L31.	Recursion based Program to find factorial of a number.
39.	L32.	Recursion based Program to print Fibonacci series.
40.		**Revision**
41.	L33.	What is file handling in C, need of file handling
42.	L34.	File Pointer**,** File operations: Reading a file
43.	L35.	File modes,Writing to a file
44.	L36.	Error handling
45.		**Revision**
46.		**Home Assignment 4**