Lesson Plan for the Month April2022 to July 2022		Subject : Problem Solving Using Computer	
Name of the Teacher	Ms.Meenu	**Class**	B.sc. Ist year
18-04-2022 To 23-04-2022	Introduction of Computers, Characteristics of computers ,Uses of Computers		
25-04-2022 To 30-04-2022	Types of Computers, Generations of Computers, Block Diagram of Computers, Input/output Device.		
02-05-2022 To 07-05-2022	Concept Of Problem solving, Problem Definition, Program Design , Debugging, Types of errors in Programming, Documentation. Test -I		
09-05-2022 To 14-05-2022	Flowcharting, Decision Table, algorithms, Structured programming concepts, Programming Methodologies viz top down and bottom up approach		
16-05-2022 To 21-05-2022	Programming using logic 'C', C fundamentals, Introduction to C, C character Set, Data types, Constants, Variables, Identifiers and keywords, Literals, Strings. Assignment-I		
23-05-2022 To 28-05-2022	Different types of Operators used in C(Arithmetic, Relational, Logical or Boolean, assignment Operator, Ternary Operator, Bitwise Operator, Increment or decrement Operator).		
30-05-2022 To 04-06-2022	Input Output Functions,% Format Specifiers, Control Statement: Control Loops, Conditional Execution and Nesting Of loops and Conditional statements		
05-06-2022 To 12-06-2022	**Break**		
13-06-2022 To 18-06-2022	Function Definition, accesing and Passing arguments to a function ,function Prototypes, Recursion. Test –II		
20-06-2022 To 25-06-2022	Arrays and Strings :Single & Multidimentional Arrays, Introduction to Strings ,String processing. Assignment –II		
27-06-2022 To 02-07-2022	Pointer ,Structure and Union: Understanding Pointers, Pointers and Arrays ,Pointer to Function, Defining and processing Structures ,Pointer and Structure, Concept Of Union		
04-07-2022 To 09-07-2022	Revision of all Four Units.		

Lesson Plan for the Month April2022 to July 2022		**Subject :** Data Structures with C/C++	
Name of the Teacher	Ms.Meenu	**Class**	B.Sc IInd year
18-04-2022 To 23-04-2022	Data-Structure: Data-Structure operations, Algorithm, Complexity, Data structure and its essence.		
25-04-2022 To 30-04-2022	Introduction to Arrays, Array operations, Multi- dimensional arrays, sequential allocation, address calculations, sparse arrays.		
02-05-2022 To 07-05-2022	Stacks-Introduction to Stacks, primitive operations on stacks, representation of stacks as an array and stack-applications. Test -I		
09-05-2022 To 14-05-2022	Queues:-Introduction to queues, operations on queue, circular queue, priority queue, Applications of queue		
16-05-2022 To 21-05-2022	Linked List-introduction and basic operations, Header nodes, doubly linked list, circular linked list, Applications of linked list, Representation of linked list as an array, stacks and queues. Assignment-I		
23-05-2022 To 28-05-2022	Tree structures: Basic terminology, binary trees and binary search trees, implementing binary trees.		
30-05-2022 To 04-06-2022	Tree traversal algorithms, threaded trees, trees in search algorithms, AVL Trees, Polish notation and expression trees, applications of binary trees. Test -II		
05-06-2022 To 12-06-2022	**Break**		
13-06-2022 To 18-06-2022	Graph data structure and their applications. Graph traversals, shortest paths, spanning trees and related algorithms.		
20-06-2022 To 25-06-2022	Sorting: Internal and external sorting. Various sorting algorithms, Time and Space complexity of algorithms. Assignment-II		
27-06-2022 To 02-07-2022	Searching techniques. Applications of Sorting and Searching in computer science.		
04-07-2022 To 09-07-2022	Revision of all Four units		