Lecture Plan
As per the Syllabus by IKGPTU
Lecture wise / Topic wise Distribution of the Syllabus to be taught
College: **CEC**   Department: **CSE**

Program: **B.Tech**   Semester with Section: **3rd**
Session: **2025-26**
Course Code: BTCS 303-18   **Course Name:** DSA Lab

Lecture No.	Topics	Reference Material	Mapping With CO	Actual Date of Teaching
1	Write a program to insert a new element at end as well as at a given position in an array.			
2	Write a program to delete an element from a given array whose value is given or whose position is given.			
3	Write a program to find the location of a given element using linear search.			
4	Write a program to find the location of a given element using binary search.			
5	Write a program to implement push and pop operations on a stack using linear array.			
6	Write a program to convert an infix expression to a postfix expression using stacks.			
7	Write a program to evaluate a postfix expression using stacks.			
8	Write a recursive function for Tower of Hanoi problem.			
9	Write a program to implement insertion and deletion operations in a queue using linear array.			
10	Write a menu driven program to perform following insertion operations in a single linked list: i)Insertion at beginning ii)Insertion at end iii)Insertion after a given node iv)Traversing a linked list			