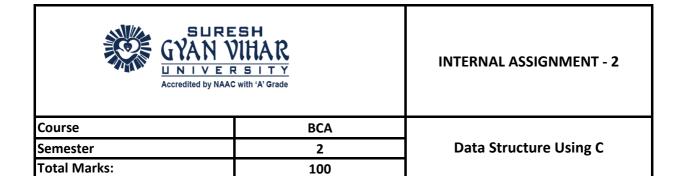


## **INTERNAL ASSIGNMENT - 1**

Course	BCA	
Year	2	Data Structure Using C
Total Marks:	100	

- **A.** Write Pseudo code of Binary search algorithm with recursion.
- **B.** What is Quick sort Algorithm? Write the suedo code for the Quick sort algorithm
- **C.** Write a C program of Binary Search algorithm without recursion.
- **D.** What is Binary search? Why is it required? Write any one application of this search technique
- **E.** Define algorithm. Why Algorithms are required for program development.



- **A.** Why memory allocation is important for a program. Explain the use of malloc () and calloc() with suitable examples.
- **B.** Write a C program of Binary Search algorithm with recursion.
- **C.** Inserting element at the beginning, inserting element at the last and inserting element at the end of the list.
- **D.** Draw various representations of Linked List
- **E.** Write a C program to implement single Linked List