**Data Structure in C Language**

* Asymptotic analysis
  + Ο Notation
  + Ω Notation
  + θ Notation
* Operator
* Functions
  + Role of Functions
  + Passing arguments to functions
  + Returning values from functions
  + Recursive Functions
  + Callback functions
  + Implications on Stack
  + Pass by value/reference
* Array
  + Defining, initialising and using arrays
  + Multi Dimensional arrays
  + Arrays of Characters and Strings
  + Arrays and pointers
  + Passing arrays to functions
  + String handling and its library functions
* Data Structures
  + Linked Lists
  + Stacks & Queues
  + Stacks Using Arrays
  + Stacks Using Linked List
  + Queues using Arrays
  + Queues using Linked List.
  + Circular Queues
  + Single Linked List
  + Circular Linked List
  + Double Linked List
  + Infix, Prefix and Postfix Expressions
* Sorting Searching Techniques
  + Insertion sort
  + Selection sort
  + Bubble sort
  + Merge sort
  + Quick sort
  + Heap sort
  + Linear search
  + Binary search
* Tree
* Graph