DSA - data structures and algorithms - data Ly storage L, easily accesible 4 carily updatable

DAA - design and analysis of algorithms

Topics we will cover in this course:

- (1) Basic definition
- 2 Asymptotic analysis
- 3 C++ Basics

Data structures Ly Tree L, Stack L. Arrays Ly Craphs Lo Linked list L) Queue Ly Hashing L. Sparse matrix

(5) Algorithms La Linear search Ly Binary search 4 Selection Rort 4 Bubble sort - Quick sort 4 Insertion sort Li Merge sort Ly Heap sort

6) Algerithmic paradigms La Brute force 4 Divide and conquer Lo Back tracking Lo Dynamic programming DAA Ly Time complexity La Space complexity La Recurrence Ly Master's theorem Who should follow this course

(1) Computer science enthusiant
(2) BSc, BTech, MTech, MSc, BCA, MCA