**Unit-1: Introduction to Algorithm**

* What is an Algorithm? - 00:05:00
* Efficiency of Algorithms - 00:15:00
* Analysis of Algorithms - 00:25:00
* Space and Time Complexities - 00:35:00
* Fundamental Algorithms - 00:45:00

**Unit-2: Introduction to data structures**

* Basic Terminology - 01:00:00
* Primitive Data Structure Operations - 01:10:00
* Stacks - 01:20:00
* Queues - 01:30:00
* Linked Lists - 01:40:00
* Binary Trees - 01:50:00
* Graphs - 02:00:00

**Unit-3: Tree and Graph**

* Minimum Spanning Trees - 02:10:00
* Kruskal's Algorithm - 02:20:00
* Prim's Algorithm - 02:30:00
* DFS and BFS - 02:40:00
* Single-Source Shortest Paths - 02:50:00
* Bellman-Ford Algorithm - 03:00:00

**Unit-4: Sorting and Searching**

* Introduction to Searching and Sorting - 03:10:00
* Linear Search - 03:20:00
* Binary Search - 03:30:00
* Selection Sort - 03:40:00
* Bubble Sort - 03:50:00
* Insertion Sort - 04:00:00
* Merge Sort - 04:10:00
* Complexities of Sorting and Searching Algorithms - 04:20:00

**Unit-5: Divide and Conquer Techniques**

* Divide and Conquer - 04:30:00
* Binary Search - 04:40:00
* Merge Sort - 04:50:00
* Strassen's Matrix Multiplication - 05:00:00

**Unit-6: Advanced Data Structures**

* Greedy Method - 05:10:00
* Container Loading Knapsack Problem - 05:20:00
* Dynamic Programming - 05:30:00
* NP Theory - 05:40:00