MODULE 2

Approx. 4 weeks

**Classes Completed**

**Introduction to Problem Solving (Intermediate) 1**

**Introduction to Problem Solving (Intermediate) 1**

Intermediate DSA: Introduction to Problem Solving

**Intermediate DSA: Time Complexity-1**

**Intermediate DSA: Time Complexity-2**

**Intermediate DSA: Introduction to Arrays**

**Intermediate DSA: Arrays - Prefix Sum**

**Intermediate DSA: Arrays - Carry Forward**

**Intermediate DSA: Arrays : Subarrays**

**Intermediate DSA: Arrays : 2D Matrices**

**Intermediate DSA: Problem Solving- 1**

**Intermediate DSA: Arrays : Sliding Window**

**Intermediate DSA : Arrays: Interview Problems – 1**

**Intermediate DSA: Arrays: Interview Problems – 2**

**Intermediate DSA: Bit Manipulations – 1**

MODULE 3

Approx. 4 weeks

**Classes Completed**

**Introduction to Problem Solving (Intermediate) 2**

**Introduction to Problem Solving (Intermediate) 2**

**Intermediate DSA: Bit Manipulations – 2**

**Intermediate DSA: Maths - Modular Arthimetic Introduction**

**Academy Intermediate DSA : Contest 1 Discussion Class**

**Intermediate DSA : Sorting**

**Intermediate DSA : Strings**

**Academy Intermediate DSA : Contest 1**

**Intermediate DSA : Hashing – 1**

**Academy Intermediate DSA : Contest 1 Discussion Class**

**Intermediate DSA : Hashing – 2**

**Intermediate DSA : Recursion – 1**

**Intermediate DSA : Recursion – 2**

**Intermediate DSA: Problem Solving- 2**

**Intermediate DSA : Class and Object Basics**

**Intermediate DSA: Linked List Basics**

**Academy : Intermediate DSA Contest 2**

**Intermediate DSA : Trees Basics**

**Academy : Intermediate DSA Contest 2 Discussion**

**Intermediate DSA : Problem Solving Session 3**

MODULE 4

Approx. 4 weeks

**Classes Completed**

**Advanced DSA 1**

**Advanced DSA 1**

**Advanced DSA : Arrays – 1**

**Advanced DSA : Arrays – 2**

**Advanced DSA : Arrays – 3**

**Advanced DSA : Bit Manipulations – 1**

**Advanced DSA : Bit Manipulations – 2**

**Advanced DSA : Maths - Modular Arithmetic**

**Advanced DSA : Maths – GCD**

**Advanced DSA : Maths - Prime Numbers**

**Advanced DSA : Maths – Combinatorics**

**Advanced DSA: Problem Solving 1**

MODULE 5

Approx. 4 weeks

**Classes Completed**

**Advanced DSA 2**

**Advanced DSA 2**

**Advanced DSA : Recursion**

**Advanced DSA : Sorting – 1**

**Advanced DSA : Sorting – 2**

**Advanced DSA : Sorting – 3**

**Advanced DSA : Recursion and Sorting Followup**

**Advanced DSA : Binary Search – 1**

**Advanced DSA : Binary Search – 2**

**Advanced DSA : Binary Search – 3**

**Advanced DSA : Two Pointers**

**Advanced DSA : Hashing – 1**

**Advanced DSA : Hashing – 2**

**Advanced DSA : Strings Pattern Matching**

**Advanced DSA : Problems on Strings with Hashmaps**

MODULE 6

Approx. 5 weeks

**Classes In progress**

**Advanced DSA 3**

**Advanced DSA 3**

**Advance DSA : Problem Solving 2**

Advanced DSA : Linked List – 1

**Advanced DSA : Linked List – 2**

**Advanced DSA : Linked List – 3**

**Advanced DSA : Stacks – 1**

**Advanced DSA : Stacks – 2**

**Advanced DSA : Queues**

**Advanced DSA : Trees 1 - Structure of Binary Tree & Tree Traversals**

**Advanced DSA : Trees 2 - Views & Types of Binary Tree**

**Advanced DSA : Tree 3 - Binary Search Tree**

**Advanced DSA : Trees 4 - Lowest Common Ancestor**

**Advanced DSA : Trees 5- Problems on Trees**

**Advanced DSA : Tries – 1**

**Advanced DSA : Tries – 2**

**Advanced DSA : Heaps – 1**

**Advanced DSA : Heaps – 2**

MODULE 7

Approx. 5 weeks

**Yet To Start**

**Advanced DSA 4**

**Advanced DSA 4**

**Academy Advanced DSA : Contest 2**

**Advanced DSA : Greedy Algorithms**

**Advanced DSA : Backtracking – 1**

**Advanced DSA : Backtracking – 2**

**Advanced DSA : Dynamic Programming – 1**

**Advanced DSA : Dynamic Programming – 2**

**Advanced DSA : Dynamic Programming – 3**

**Advanced DSA : Dynamic Programming – 4**

**Advanced DSA : Dynamic Programming – 5**

**Advanced DSA : Dynamic Programming – 6**

**Advanced DSA : Dynamic Programming – 7**

**Advanced DSA : Graphs – 1**

**Advanced DSA : Graphs – 2**

**Advanced DSA : Graphs – 3**

**Advanced DSA : Graphs – 4**

**Advanced DSA : Graphs – 5**

EXPERT MOCK INTERVIEW

**Agenda: Data Structures & Algorithms**

MODULE 8

Approx. 6 weeks

**Yet To Start**

**Computer Systems and Fundamentals**

EXPERT MOCK INTERVIEW

**Agenda: Select any one (Python/Java/Javascript)**

MODULE 9

Approx. 4 weeks

**Yet To Start**

**LLD: Object Oriented Design and Analysis**

MODULE 10

Approx. 4 weeks

**Yet To Start**

**LLD: Practical Software Engineering and Design**

EXPERT MOCK INTERVIEW

**Agenda: Low Level Design**

MODULE 11

Approx. 4 weeks

**Yet To Start**

**High Level Design**

EXPERT MOCK INTERVIEW

**Agenda: High Level Design**

MODULE 12

Approx. 4 weeks

**Yet To Start**

**Front-end Development**

MODULE 13

Approx. 4 weeks

**Yet To Start**

**Back-end Development**

EXPERT MOCK INTERVIEW

**Agenda: Select any one (Frontend (React)/Backend (Java Spring/Springboot))**

MODULE 14

Approx. 4 weeks

**Yet To Start**

**Product Management for Software Engineers**

MODULE 15

Approx. 4 weeks

**Yet To Start**

**DSA for Competitive Programming**