

Curriculum for Data Structure & Algorithms in Python

No. of Classes	Topics
Class 1 - 5	Initial classes for python training. Focus will be on logic building & getting Familiar with basic programming fundamentals. <ul style="list-style-type: none">• Getting Started• Flow Charts• Conditions & loops• Operators• Patterns• Functions & Variables
Class 5 - 10	<ul style="list-style-type: none">• Arrays & lists• Searching & sorting• Strings• 2D lists• Dictionary, sets & tuples
Class 11 - 15	<ul style="list-style-type: none">• Recursion• Time & Space Complexity• OOPS
Class 16 - 20	<ul style="list-style-type: none">• Linked lists• Stacks• Queues
Class 21 - 23	<ul style="list-style-type: none">• Binary Trees• BST• Dictionaries
Class 24 - 30	<ul style="list-style-type: none">• Graphs• Priority Queues• Huffman coding• Dynamic Programming

Skills Enhancements

The course will help you understand the optimal logic and train you to convert those logics into an efficient code. By the end of the course you will be well-versed with the concepts of Data Structure and Algorithms & become an expert in Problem Solving.