Training Modules for 155 hours

Training modules for 5th Semester Students – 55 hours

Quantitative Aptitude Modules Description (12 hours out of 55 hours)	
Quantitative Aptitude	· Mensuration · Problems on ages · Compound interest · Cubes and cuboids · Venn diagrams · Percentages

Logical Reasoning Training Modules with Description (6 hours out of 55 hours)	
Logical Reasoning	· Number series + Letter Series · Odd man Odd + analogy · Seating arrangement

Verbal Reasoning Training Modules with Description (6 hours out of 55 hours)	
Verbal Reasoning	· Direct Indirect Speech · Articles · Subject Verb agreement

Technical Modules (31 hours out of 155 hours)	
Technical C, C++, JAVA	• Introduction to C, Pre processor directives • Declaration and initiation, Structures of C programming, Control Statements • Functions, Loops strings, Pointers, • Files, Linked List, • Introduction to C++, Introduction to C++ Variables and Operators in C++ • Class and Types of Class • Inline Function+ Function Overloading • Constructors+ Destructor • Inheritance+ Polymerphism, Programs and Questions likely to be asked in the interview from C++ programming. • Introduction to Java and Core JAVA programming • Control flow statements+ OOPS and its application in JAVA • Packages+ Statics in JAVA • Construcors+ Exceptions in JAVA+ Input Output in JAVA • Collection framework in JAVA.

Training modules for 6th Semester Students – 55 hours

Quantitative Aptitude Modules Description (12 hours out of 55 hours)	
Quantitative Aptitude	· Volume and Surface area · Ration and Proportion · Visual Reasoning · Partnership · Time and Work

Logical Reasoning Training Modules with Description (6 hours out of 55 hours)	
Logical Reasoning	· Blood Relation · Number System · Directional Sense

Technical Modules (31 hours out of 55 hours)	
Technical Python	• Python - Fundamentals of Data Handling+Data Handling+String Manipulation • Python Data Types-1 -> int, float, coplex, Bool, str, bytes, bytearray • List Manipulation, Tuples+Dictionaries • Set and Frozen Set+ Operators • Program Control Flow, Control Flow and Functions • Introduction to Functioins+ Pandas • Introduction to Pandas, and Implementation • Introduction to Data Structures: • The factors that efficiency depends upo • 1) Space complexity • 2) Time complexity(step - count method) • Classification of data structures: • Array vs. Linked List • Types of linked list : singly , doubly, circular (introduction) • Stack, Push and Pop operation • Applications Queue, Enqueue and Dequeue operation • Searching Techniques, Linear Search (real life examples), explain the working with an example, Complexity Analysis • Binary Search, Need of binary search, Working with example, Complexity Analysis • Graph:Introduction, Terminologies in a graph, DFS, BFS

Company specific training Modules for 7th Semester Students – 45 hours

Quantitative Aptitude Modules Description (12 hours out of 45 hours)	
Quantitative Aptitude	· Time speed and distance · Probability · Permutation and Combination · Pipes and Cisterns · Mixture and allegation · Averages

Logical Reasoning Training Modules with Description (4 hours out of 45 hours)	
Logical Reasoning	· Directional Sense · Odd man out + analogy

Verbal Reasoning Training Modules with Description (6 hours out of 45 hours)	
Verbal Reasoning	· Direct Indirect Speech · Verbal Deduction · Vocabulary

Python full stack and IOT Modules (23 hours out of 455 hours)	
Python Full Stack and IOT	• Introduction to python, Exceptions, Handling Exceptions, Raising Exceptions • Names and Objects • Inheritance and Lambda expressions • Iterators and generators • Lamda expression

	• Virtual Environments and Packages • Standard Library/ Modules, Command line arguments • Introduction to HTML, CSS • Programming with Javascript • State Space Search, JQuery • ReactJS Development • NodeJS Development • Backend Intro python, Django Intro • Version Control system, Django an installable App, Django MTV and Templates, • Version control system, Django Project • Introduction to IOT and basics of IOT • Basics of networking • Sensors Networks, Version control system • Application of IOT