Java Syllabus

Fundamentals of Programming

- Flowcharts

- Varibles and Data types

- Conditional Statements

- Loops

- Patterns

- Methods

- Arrays

- 2D Arrays

- Strings

Object Oriented Programming

- Basics of OOPS

- Advance concepts of OOPS

- Exception Handling

- Generics

Data Structure and Algorithms

- Time Complexity and Space Complexity

- Recursion

- Search and Sorting Algorithms with Arrays

- Linked List

- Stacks

- Queues

- Trees

- Generic Trees

- Binary Trees

- Binary Search Trees

Advanced Data Structures

- Priority Queues

- Hashmaps

- Tries

- Graphs

Java Collection

- Introduction to Java collections

Dynamic Programming

- Introduction to Dynamic Programming

- Applications of DP

Advance Java

- Multi-threading

- Concurrency Control

- File Handling

Java Enterprise Edition

- JSP

- Servlet

- Java Beans

- Session management

- Hibernate

- Spring Framework

- Spring MVC

- Database Connectivity using JDBC

- Restful Api

- Spring Boot

- Micro services with spring boot

- JUnit