**Introduction to JAVA**

**Aim:** Learn the basic concepts of java programming language.

**Syllabus:**

L1: Getting Started

* The java technology
* The ‘hello world’ application
* Closer look at ‘hello world’
* Common problems and solution

L2: Leaning the JAVA language

* OOP concepts
* Language Basic
* Class and objects
* Annotations
* Interfaces and Inheritance
* Numbers and Strings
* Generics
* Packages

L3: Essential Classes:

* Exceptions
* Basic I/O
* Concurrency
* The platform environment
* Regular expression

L4: Collection

* Introduction
* Interfaces
* Aggregate operation
* Implementation
* Algorithms
* Custom Implementations
* Interoperability

Milestone:

|  |  |
| --- | --- |
| Date | Task will be completed |
| 4/6/20 – 6/6/20 | L1, L2 |
| 7/6/20 – 11/6/20 | L3 |
| 12/6/20 | Review L1, L2, L3 |
| 13/6/20 – 20/6/20 | L4 |