

## **Core Java:**

- Why Java Introduce?
- Concept of JVM
- What is Class
- Class & Object
- Concept of package
- Access specifier & Access Modifier.
- Java Method & Main method concept.
- Encapsulation, Inheritance and Polymorphism
- Interface & Abstract Class
- Primitive Data Types in Java
- Java.lang package
- Method Overloading & Method Overriding
- Java files and io package
- Java Exception Package
- Java Util package and Collection Framework
- JDBC Driver classes and connectivity
- Java Multithreading concept.
- Sample of compile and run one java class.
- Explaining eclipse tool.

## **Additional Courses (if require, need additional timing and amount):**

Applet, Swing

### **Advance Java:**

- Servlet
- JSP
- JSTL
- Custom Tag
- HTML
- Java Script
- Ajax
- JQuery
- JUnit Testing

## **Additional Courses (if require, need additional timing and amount):**

Struts, Spring (core, MVC, Boot), Hibernate

### **Hadoop & Big Data**

- Hadoop basic introduction.
- HDFS
- Map-R

- Map Reduce 1
- Map Reduce 2
- YARN
- Map Reduce Failover Mechanism
- HIVE
- Hadoop common commands
- Normal Execution of Hive queries.

**Additional Courses (if require, need additional timing and amount):**

Spark, Spark SQL, cassandra