# Spring ,Spring Boot and project

# **Duration : 6 days + 2 days Project after Angular training**

Day 1

* Spring Basics
* Concepts IOC ,DI
* Auto wiring
* Configuration using xml file
* Configuration using Java class
* Spring MVC – Introduction
* Spring Boot Plugin – STS IDE and concepts
* Configuration in Spring Boot.
* Command Line Runner
* AOP

Day 2

* Introduction to JPA
* Using JPA Repository in Spring Boot
  + H2 In Memory database
  + CRUD operations
  + @Query
  + DML operations
  + With MYSQL database
* Handling Exceptionss

Day 3

* Using Lombok and Swagger
* Revisit SOA
* Creating a Consumer Service
* Rest Template
* Messaging Systems.
* JMS concepts and Implementation

Day 4

* Spring Security
* Form Based Authentication and Authorization
* Spring Cloud Oauth
* JWT
* SSL Enabling

Day 5

* Spring Batch
* Schedulers
* Micro Services overview
* Spring Cloud Config Introduction
* Creating GIT Repository and GIT commands
* Creating and Testing Config Server and Client using GIT Repository

Day 6

* Containerization
* Docker Introduction
* Basic Docker commands
* Building and Executing Spring Boot App using Docker.
* Spill overs and doubts clearing session
* Project assignment and discussion

# Day 7 and Day 8

# Project Implementation( 2 days)

1. Project (1 day)
2. Project Review ( 1 day)