Certification in Spring

Syllabus

Duration: 60 Hours

1. **Basics of Spring**
   - **What is Spring**
   - **Spring Modules**
   - **Spring Application**

2. **Spring with IDE**
   - **Spring in Myeclipse**
   - **Spring in Eclipse**

3. **Dependency Injection**
   - **Constructor Injection**
   - **CI Dependent Object**
   - **CI with collection**
   - **CI with Map**
   - **CI Inheriting Bean**
   - **Setter Injection**
   - **SI Dependent Object**
   - **SI with Collection**
   - **SI with Map**
   - **CI vs SI**
   - **Autowiring**
   - **Factory Method**

4. **Spring AOP**
   - **AOP Terminology**
   - **AOP Implementations**
   - **Pointcut**
   - **Advices**

5. **Spring JDBC**
   - **JdbcTemplate Example**
   - **PreparedStatement**
   - **ResultSetExtractor**
   - **RowMapper**
   - **NamedParameter**

- **SimpleJdbcTemplate**

6. Spring with ORM
- **Spring with Hibernate**
- **Spring with JPA**

7. SpEL
- **SpEL Examples**
- **Operators in SpEL**
- **variable in SpEL**

8. Remoting with Spring
- **Spring with RMI**
- **Http Invoker**
- **Hessian**
- **Burlap**
- **Spring with JMS**

9. OXM Frameworks
- **Spring with JAXB**
- **Spring with Xstream**
- **Spring with Castor**

10. HTML
- **Introduction to HTML**
- **HTML Tags**
- **Creating Forms**
- **Creating tables**
- **Managing home page**

11. CSS
- **Introduction to CSS**
- **Three ways to use CSS**
- **CSS Properties**
- **Designing website**
- **Working with Templates**

12. JAVA SCRIPT
- **Introduction to Javascript**
- **Three ways to use Javascript**
- **Working with events**

- **Client-side Validation**

13. Project Work

14. Placement Assistance Sessions
- **Mock Interviews**
- **GDs**
- **Preplacement Talks**
- **Industry Exposer Sessions**

15. Internship