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| **Module** | **Detailed Contents** | **Hrs** |
| **01** | **Introduction Java EE Programming**  JSP Architecture,  JSP building blocks,  Scripting Tags,  implicit object,  Introduction to Bean,  standard actions,  session tracking types and methods.  Custom Tags,  Introduction to JSP Standard Tag Library (JSTL) and JSTL Tags.  **Self learning topics** Simple Application using Servlet | **8** |
| **02** | **Spring Frameworks:**  Introduction to Spring Framework,  POJO Programming Model,  Lightweight Containers  (Spring IOC container,  Configuration MetaData,  Configuring and using the Container)  Dependency Injection with Spring- Setter Injection, Constructor Injection,  Circular Dependency,  Overriding Bean,  Auto Wiring Bean Looksup,  Spring Manage Beans)  **Self learning topics** Bean Definition Profiles | **6** |
| **03** | **Spring and AOP**  AspectOriented Programming with Spring,  Types of advices,  Defining Point Cut Designator,  Annotations.  **Self learning topics** AspectJ | **5** |