Course Design Document

Course Code	
Course Name	Spring Web MVC for REST API, Validation

Duration (in days)	3	Proficiency Level	Fundamental
Pre-requisites	• Java • Hibernate	Target Audience	Campus Hires

Learning Outcome

At the end of the program, participants will learn

- Overview of Spring Web MVC
- Implementing REST on top of Spring MVC
- API Testing with POSTMAN

Day wise Session Plan

Day	Unit	Objectives	Hours
1	Spring WEB MVC	• MVC1 Vs MVC2 model • Spring MVC flow • Spring MVC Components. • Exploring on Front Controller • DispatcherServlet Configuration	8
2	Annotations of Spring WEB MVC	• Exploring various annotations of Spring WEB MVC. • Working on Service Layer. • Controllers, RequestMapping • Working with Forms • Performing validations and handling exceptions in Spring WEB MVC	8
3	Spring Rest	• What is Webservice? • Introduction to SOAP based services. • Introduction to REST based services • SOAP vs REST • REST support in Spring 4.x • Use Spring Rest to create RESTful Web services • REST specific Annotations in Spring - @PathVariable, @RequestParam • JSON and XML data exchange • @RequestMapping • Contract Negotiation (CONNEG) • Building RESTful web services using Spring's RestController. • Testing the Spring REST services using POSTMAN tool.	8
		Total	24