

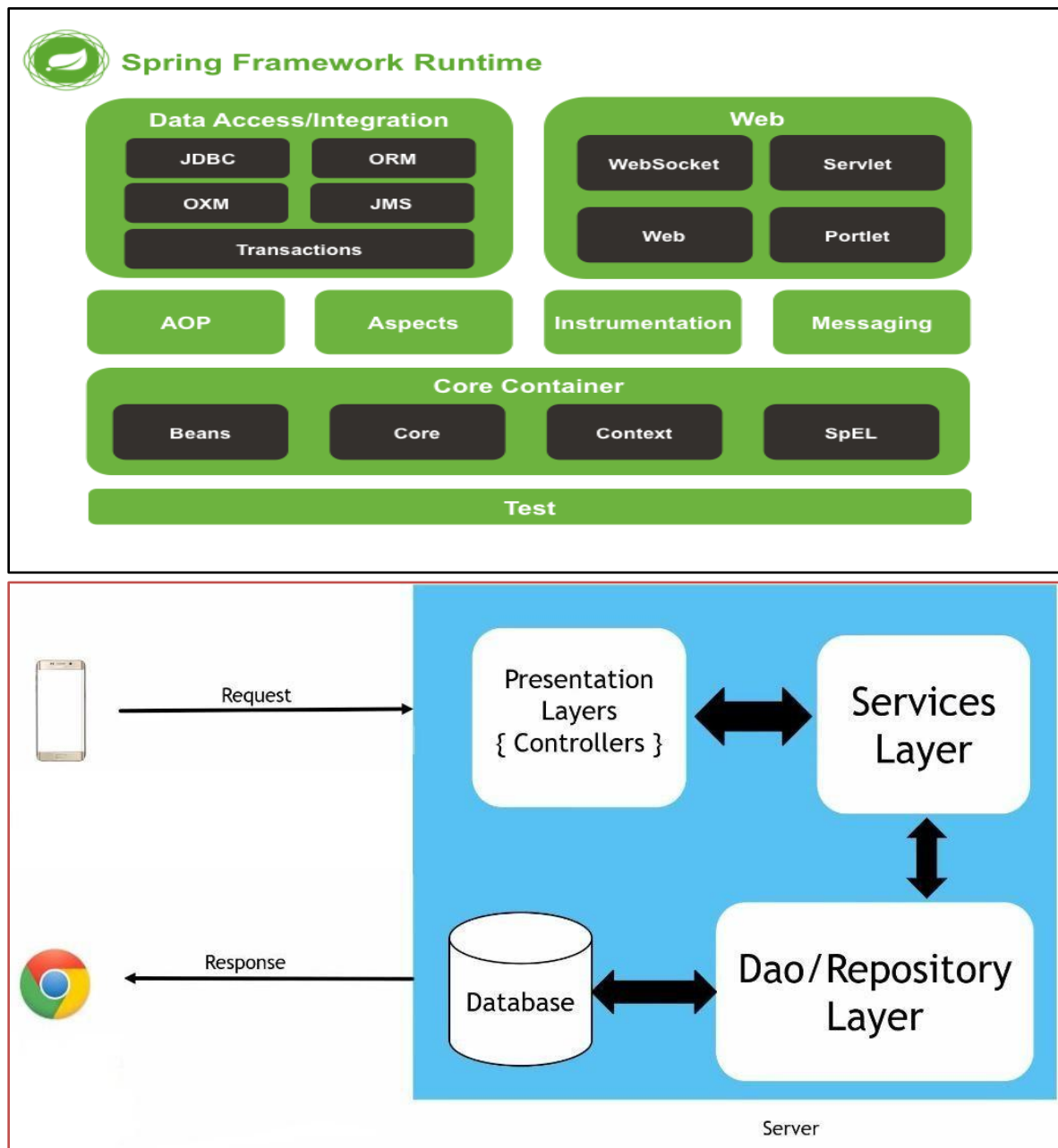
Experiment Number: 05

Title:. Design and develop a responsive website to prepare one semester result of VIT students using REACT, Django/Springboot/Node JS/ PHP and MySQL/ MongoDB/Oracle. Take any four subjects with MSE Marks (30%) ESE Marks (70%).

Theory:

Software Required: One ID: Eclipse/IntelliJ/Netbeans/STS/Visual Code: STS Download : Spring Tools and Postman for client testing.

Spring Framework Runtime:



What is POSTMAN Tool?

Postman is an interactive and automatic tool for verifying the APIs of your project. Postman is a Google Chrome app for interacting with HTTP APIs. It presents you with a friendly GUI for constructing requests and reading responses.

Request Method	Response
GET	Get one or multiple records from database
POST	Add one or more records in database
PUT	Update one or more records in database
DELETE	Delete one or more records from database

Procedure:

- Create a project using spring boot initialize website
- **Add Dependencies:** Spring Web.....
- **Click on:** Generate.....it will generate jar file in download folder
- Extract it
- Open it in ID
- Import - as a maven project
- Tick on ----- pom.xml
- It will update
- **Let us build controller : Controller for REST API** (REST - Representational State Transfer)
- **Create entity class**
- **Generate constructors, getters and setters for entity class**
- **Create interface class**
- **Create service class**
- **Database Connectivity: using JPA**
- **Extends it to JPA Repository:**
- **Service Implementation:**

Output:

Menu

- Home
- ADD Marks
- SHOW Marksheet
- UPDATE Marksheet
- DELETE Marksheet
- SEARCH Marksheet

Marksheet Generation

Menu

- Home
- ADD Marks
- SHOW Marksheet
- UPDATE Marksheet
- DELETE Marksheet
- SEARCH Marksheet

Marksheet Generation

Enter Details

Roll No.

Enter Name:

Enter Surname:

DAA

Operating System

Computer Networks

Database Management