**PG: FSD INTEGRATION AND DEPLOYMENT**

*Course end Project*

**To Do:**

Task (Activities) 1. Import the Spring Boot project with the generated code in Eclipse

2. Configure the project with Dockerfile and Jenkinsfile

3. Build the project using the Maven package

4. Create and launch AWS EC2 instance

5. Configure EC2 instance with JDK 11, Docker, and Jenkins

6. Sync the given code to the Git repository

7. Create Jenkins pipeline on EC2 with Git and GitHub 8. Build the pipeline to dockerize the application

**Solution:**

1. Spring Boot Project is created using Eclipse (Project Name : PetClinic).
2. Configured the Project with Dockerfile and Jenkinsfile.
3. Project is built using Maven and snapshot is created- PetClinic-0.0.1-SNAPSHOT.jar
4. AWS EC2 instance named my\_instance is created and launched.
5. EC2 Instance is Configured with jdk11, Docker and Jenkins.
6. Source code is present in Git repository <https://github.com/Manimozhi91/PetClinic.git>
7. Jenkins Pipeline named Petclinic is created and synced with above repositoty. The pipeline is dockerized and application is successfully deployed.

All the Screenshots for Course4 end project is attached in the document Course4OutputSS.doc

Repository Information is provided in Course4repoinfo.doc