**Pandit Deendayal Energy University, Gandhinagar**

**School of Technology**

**Department of Computer Science & Engineering**

**Cloud Computing Lab (23CP316P)**

**B.Tech. -Computer Science & Engineering (Sem-VI)**

**Lab 5 Assignment: Working with DOCKER**

**Aim:** To Explore Docker Container

*Perform the following:*

1. Install Docker in your environment
2. Verify your Docker by looking up the version
3. Run a hello-world container
4. Verify the hello-world image
5. Get the sample application
6. Run the application on the Docker
   1. Build the Docker Image
   2. Verify the newly build image
7. Run the Docker container
   1. Run the container in the detached mode. Name the container “Test Sample”.
   2. List all the running containers.
   3. Inspect the running containers
   4. Get the logs of “Test Sample” containers
8. Access the application
9. Pushing and pulling an image to and from repository
10. Clean Up

