UNIVERSITY WITH A PURPOSE
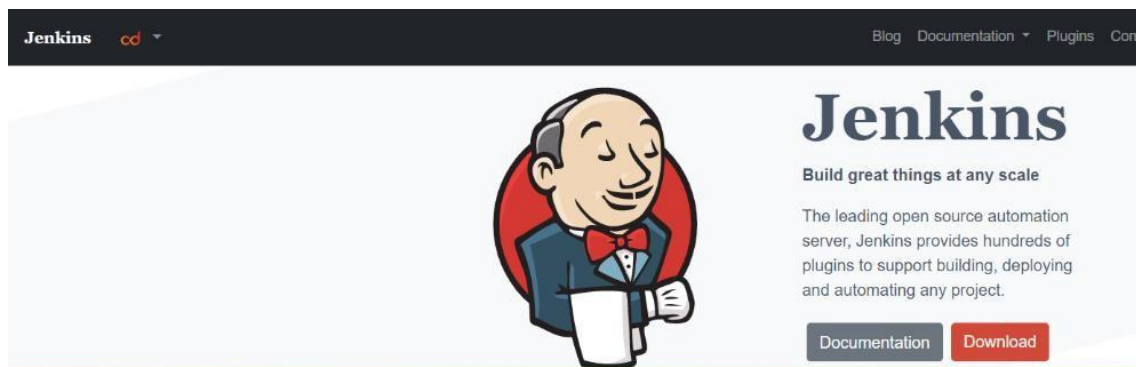
Name: Vanshika

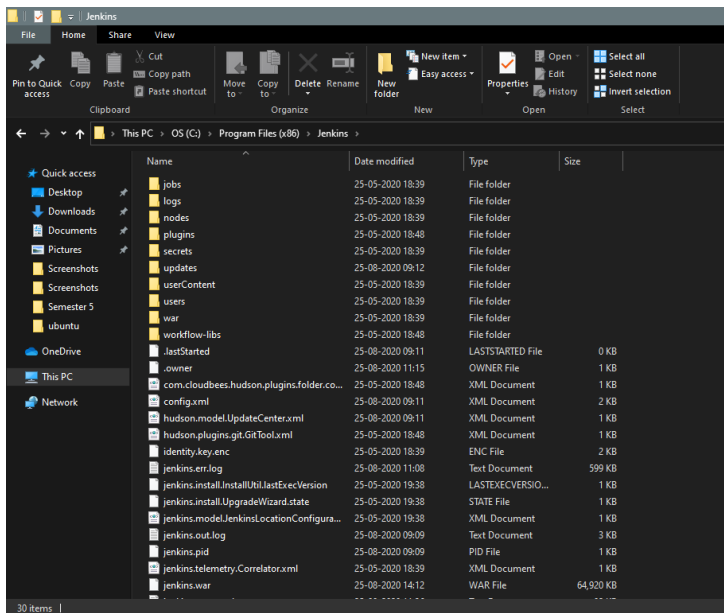**SAP: 500069061**

Roll number: R171218110

CICD EXPERIMENT 1

- Go to https://www.jenkins.io/download/ to download your specified version of Jenkins.

- After you have downloaded Jenkins, go to the location where you've saved it. Copy the path.

- Go to you cmd(Command Prompt) and change the current directory to the location of your Jenkins folder.
  Enter the command as `java –jar Jenkins.war –httpPort=8383`

- Once you see "`Jenkins is up and running`" on cmd, now you need to go to your localhost with the same port as you set and put in your password(first for the first time) given by jenkins(in a file called "initialAdminPassword")

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

d:\Program Files (x86)\Jenkins\secrets\initialAdminPassword

Please copy the password from either location and paste it below.

Administrator password

- Set up as your First Admin User by signing up and download the required plugins.

Create First Admin User

Username:	admin
Password:	•••••
Confirm password:	
Full name:	
E-mail address:	

- After downloading the required plugins go to your dashboard and select **"New Item"** (on the left) to start and brand new project.
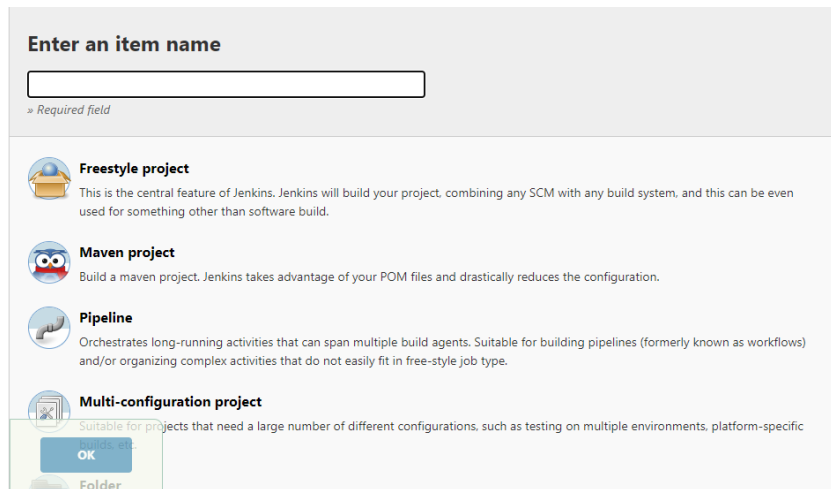
- Select the desired type of project form the options. (I've selected "`Freestyle Project`" to execute a simple job in Jenkins.)

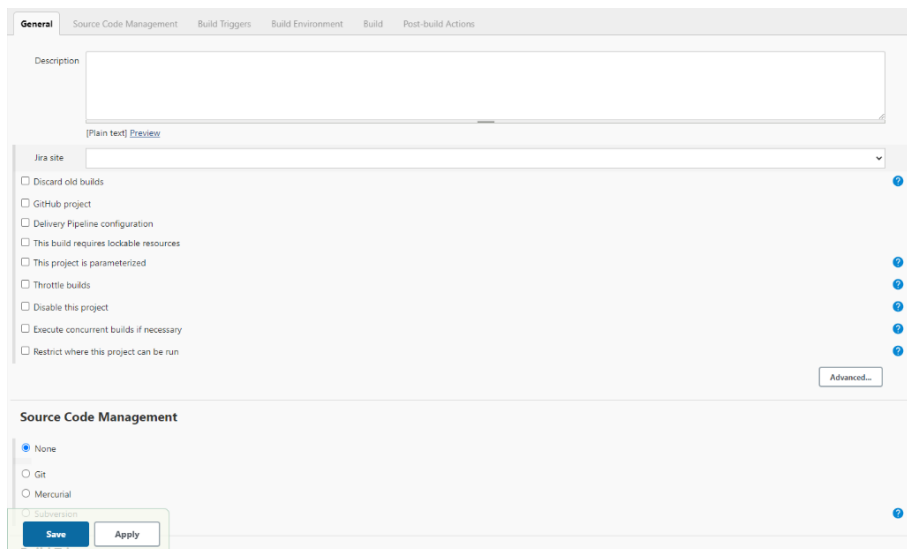- To execute a simple job in Jenkins like printing a message on the screen.

- Go to "manage Jenkins" in the menu on the left and then go to "Jenkins Cli" and download it. Make sure to save it at the same place as Jenkins.war file.
- Open cmd again. Change the directory again to the same location as Jenkins.war file.
- Enter the following command

```
java -jar jenkins-cli.jar -s http://localhost:8383/ -
webSocket build JOB
```

JOB here will be the name of the project. This command is in the "build" part of the Jenkins cli.

BRAVO! You successfully executed a simple Jenkins job all by yourself.