

PROJECT DOCKER DOCKS

A

PROJECT SYNOPSIS

FOR PROJECT

BACHELOR OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUBMITTED BY

DIVYA JAIN	17ETCCS010
JINISHA JAIN	17ETCCS018
SWATI DEVPURA	17ETCCS053
VARSHA CHOUDHARY	17ETCCS055
ASHI KOTHARI	17ETCCS301

UNDER THE GUIDANCE OF
Dr. Jitendra Shremali



Techno India NJR Institute of Technology
2020-2021

Project Docker Docks

Everytime we want to run a code for a new language or with new libraries, we have to go through the sick process of installing and testing the libraries and dependencies. And after that it is not guaranteed that your code will run. It's frustrating

So the project is to make an environment easily accessible for user where he/she put code of any language and can get the results without thinking about the dependencies or libraries.

Flow

We will use docker container technology in which we will create a environment (Network) where the user will able to send the code to server through user a client side panel, then after based on user's choice of language a container will get started and the code will be run on the preconfigured containers and after that the output will be directed back on client's panel.

Milestones

- I.**Code and selection reaches the server
- II.**Container up and running on a event
- III.**Code runs successfully
- IV.**Showing results in user panel

INCLUDED COMPONENTS

- Docker CE
- Visual Studio code
- Ubuntu Server Edition

TECHNOLOGY STACK

- Application Interface
- IBM Cloud