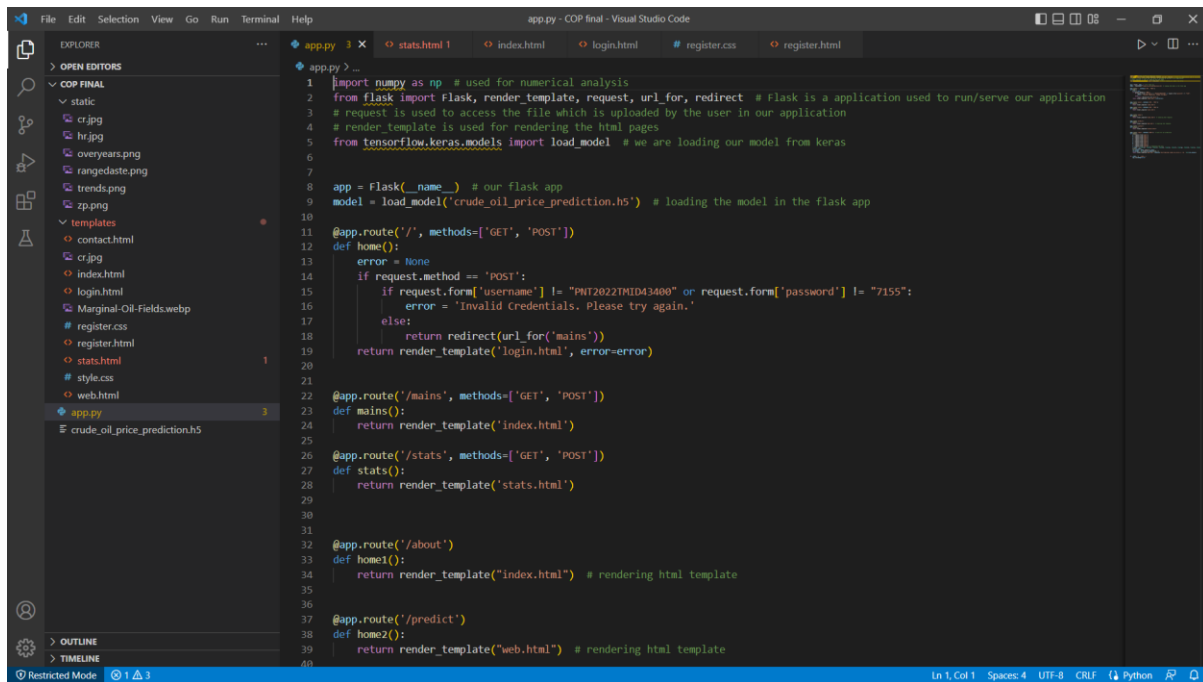


## Sprint 4

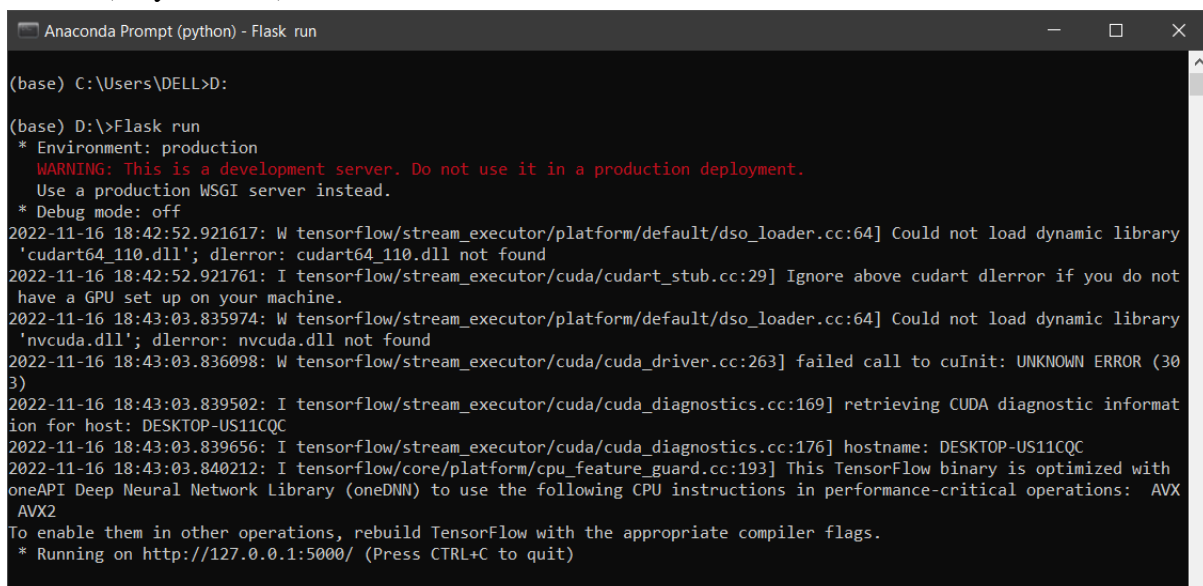
DATE	12.11.2022
TEAM ID	PNT2022TMID43400
PROJECT NAME	CRUDE OIL PRICE PREDICTION

### Project structure:



The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane displays the project structure: a 'static' folder, image files (cr.jpg, hr.jpg, overyears.png, rangedaste.png, trends.png, zp.png), a 'templates' folder containing contact.html, cr.jpg, index.html, login.html, Marginal-Oil-Fields.webp, register.css, register.html, stats.html, style.css, web.html, and the main 'app.py' file. The main editor shows the code for 'app.py', which imports numpy, flask, and tensorflow.keras.models. It defines a Flask application 'app' and routes for home, mains, stats, about, and predict. The home route checks for valid credentials (username 'PNT2022TMID43400' and password '7155'). The mains route renders 'index.html', stats renders 'stats.html', about renders 'index.html', and predict renders 'web.html'.

- Open Anaconda Prompt (Python) and direct the location to D drive, where app.py (a Python file) is located.



The screenshot shows the Anaconda Prompt (Python) - Flask run window. The command prompt shows the user navigating to the D drive and running 'Flask run'. The output displays the environment as 'production', a warning that this is a development server, and debug mode as 'off'. It then shows several warnings from TensorFlow regarding the inability to load dynamic libraries (cudart64\_110.dll, nvcuda.dll) and the CUDA driver. The output concludes with the server running on http://127.0.0.1:5000/ and provides instructions to press CTRL+C to quit.

- Copy the link: <http://127.0.0.1:5000/> and paste it in URL on Local Browser.

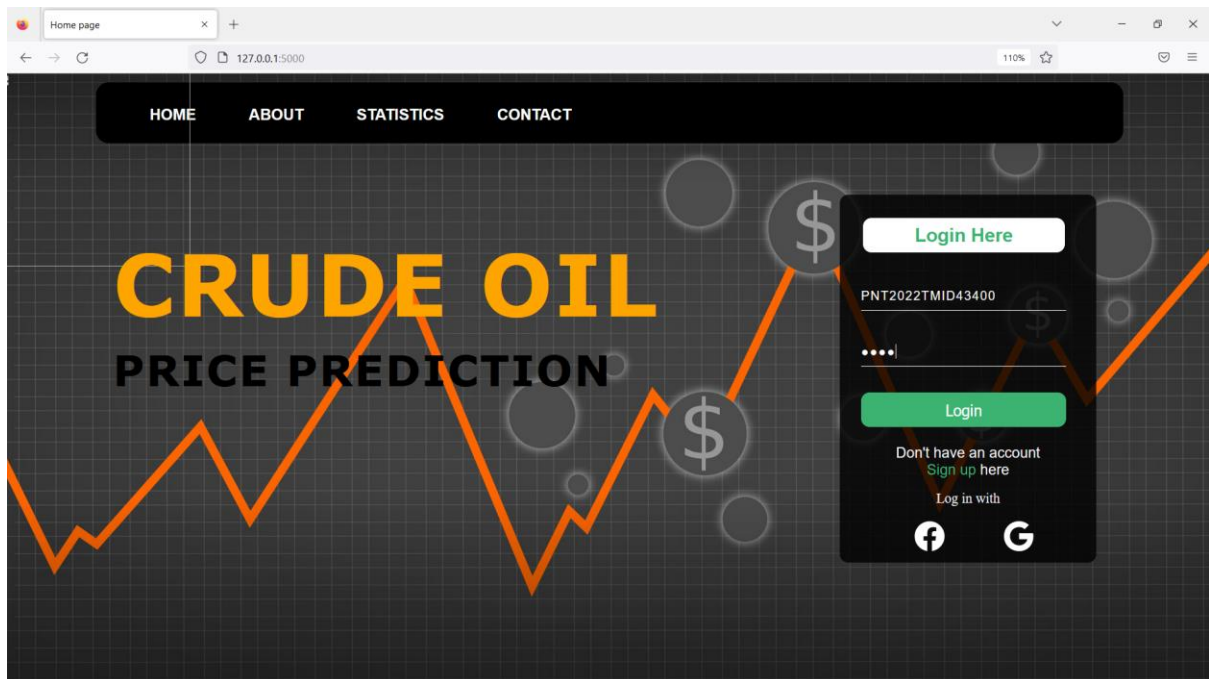
➤ Application Running Successfully in Local Browser on Flask using Anaconda Prompt:

```
Anaconda Prompt (python) - Flask run
2022-11-16 18:42:52.921761: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not
have a GPU set up on your machine.
2022-11-16 18:43:03.835974: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library
'nvcuda.dll'; dlerror: nvcuda.dll not found
2022-11-16 18:43:03.836098: W tensorflow/stream_executor/cuda/cuda_driver.cc:263] failed call to cuInit: UNKNOWN ERROR (30
3)
2022-11-16 18:43:03.839502: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic informat
ion for host: DESKTOP-US11CQC
2022-11-16 18:43:03.839656: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: DESKTOP-US11CQC
2022-11-16 18:43:03.840212: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with
oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX
AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [16/Nov/2022 18:46:31] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 18:46:31] "GET /cr.jpg HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 18:46:33] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 18:46:33] "GET /cr.jpg HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 18:46:34] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 18:51:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 18:51:04] "GET /cr.jpg HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 18:51:05] "GET /static/hr.jpg HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 18:51:06] "GET /favicon.ico HTTP/1.1" 404 -
```

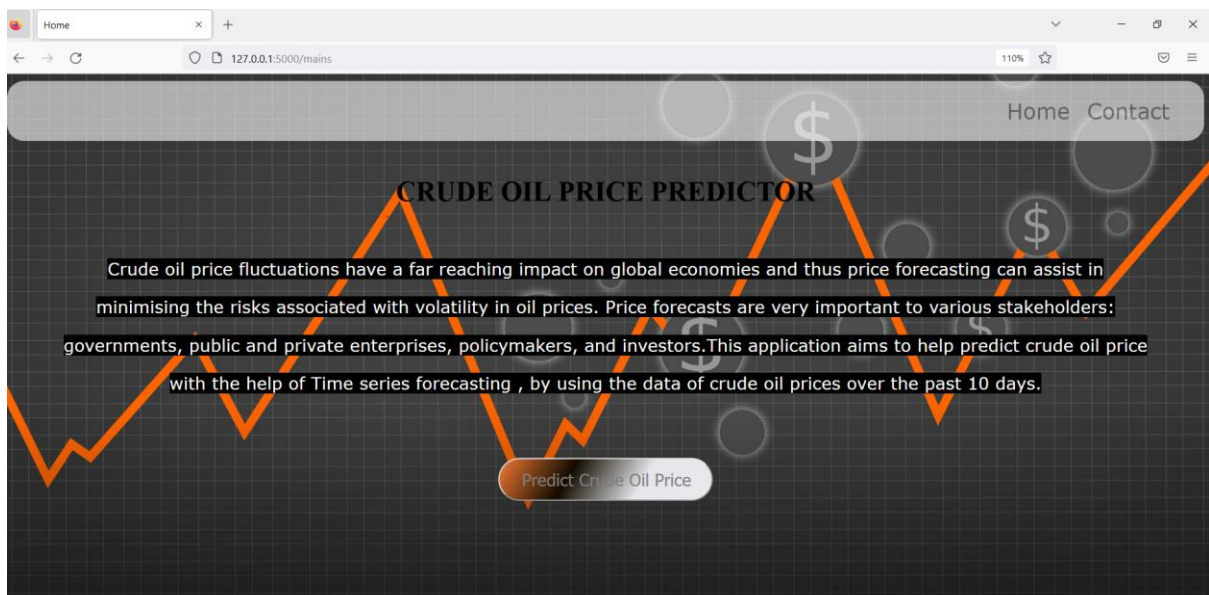
➤ LOGIN PAGE



- Only Registered Users are allowed to Login, -> Username: PNT2022TMID43400, Password: 7155 -> Allowed to Login as it has been registered already:



- Log in Home Page after Successful login:



- Click Predict crude Oil price
- Price Prediction Page will be displayed: Enter the last ten days' Oil price to predict the next day's price:

Contact | Home

## CRUDE OIL PRICE PREDICTOR

Enter previous 10th day price

Enter previous 9th day price

Enter previous 8th day price

Enter previous 7th day price

Enter previous 6th day price

Enter previous 5th day price

Enter previous 4th day price

Enter previous 3th day price

Enter previous 2nd day price

Enter previous 1st day price

Predict

Contact | Home

## CRUDE OIL PRICE PREDICTOR

0.5432

0.5564

0.5566

0.5674

0.5787

0.5878

0.5986

0.6145

0.6241

0.6453

Predict



- Predicted Crude Oil Price will be displayed.

Contact | Home

## CRUDE OIL PRICE PREDICTOR

Enter previous 10th day price

Enter previous 9th day price

Enter previous 8th day price

Enter previous 7th day price

Enter previous 6th day price

Enter previous 5th day price

Enter previous 4th day price

Enter previous 3th day price

Enter previous 2nd day price

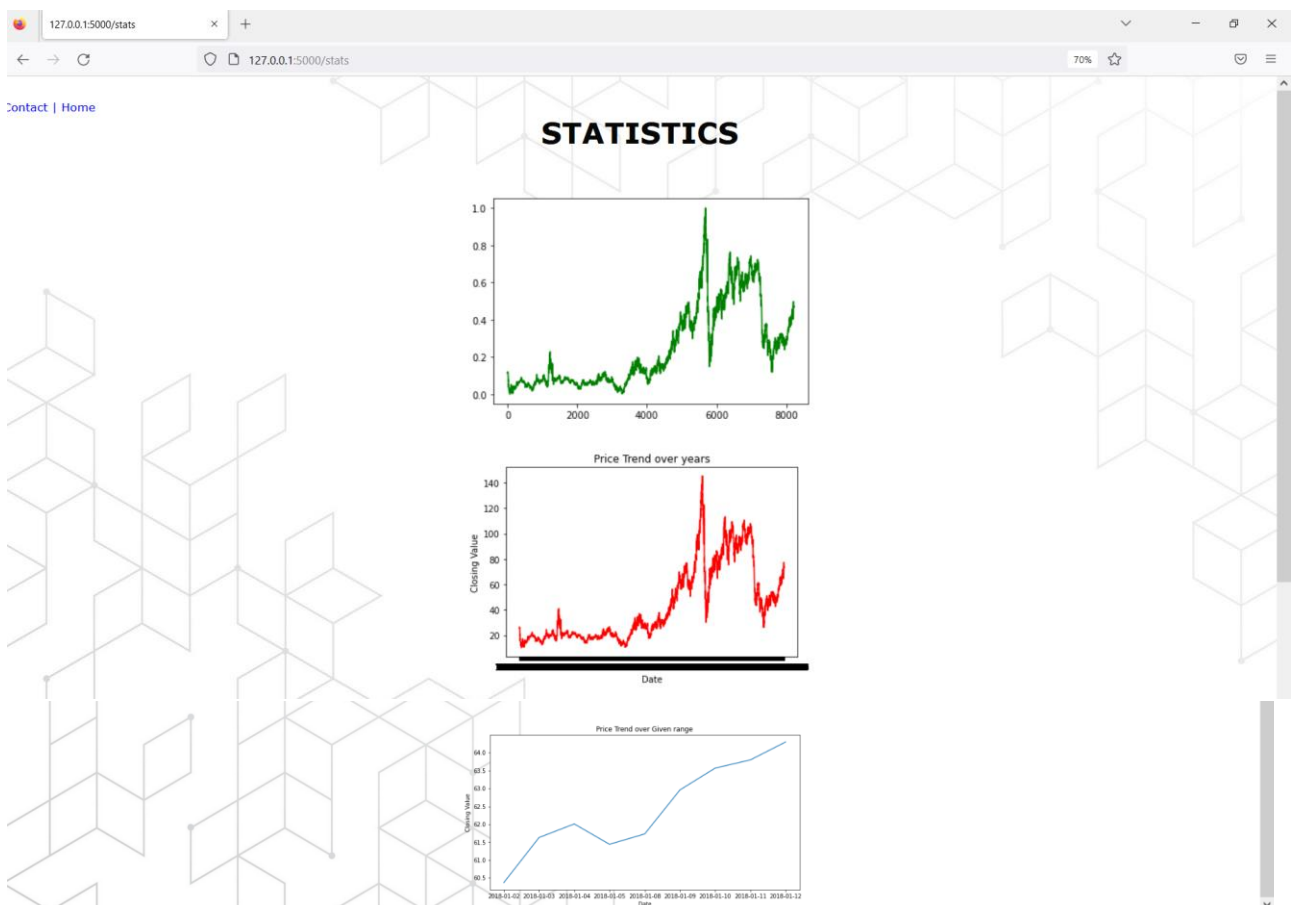
Enter previous 1st day price

Predict

The Predicted crude oil price is : Rs. 0.62

## Addition Features:

## Statics:



Contacts:

Contacts

127.0.0.1:5000/contact

120%

# CONTACTS

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