## Project Development Phase Model Performance Test

Date	15 November 2022	
Team ID	PNT2022TMID21805	
Project Name	Project – Crude Oil Price Prediction	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	Model: "sequential"  Layer (type)
2.	Accuracy	Training Accuracy – 96.3%  Validation Accuracy – 90.6%	1955   1219   1316   1419   1415   1419   1415   1419   1415   1419

## 1. Model Summary:

Model: "sequential"

Layer (type)	Output Shape	Param #
lstm (LSTM)	(None, 10, 50)	10400
lstm_1 (LSTM)	(None, 10, 50)	20200
lstm_2 (LSTM)	(None, 50)	20200
dense (Dense)	(None, 1)	51

Total papame: 50 051

Total params: 50,851 Trainable params: 50,851 Non-trainable params: 0

## 2. Accuracy:

```
Epoch 8/10
480/480 [========] - 33s 68ms/step - loss: 0.1362 - accuracy: 0.9580 - val_loss: 0.3744 - val_accuracy: 0.885
9
Epoch 9/10
480/480 [=======] - 34s 71ms/step - loss: 0.1344 - accuracy: 0.9585 - val_loss: 0.3191 - val_accuracy: 0.902
7
Epoch 10/10
480/480 [=========] - 33s 69ms/step - loss: 0.1201 - accuracy: 0.9633 - val_loss: 0.3093 - val_accuracy: 0.906
```