

## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID43298
Project Name	Project – crude oil price prediction
Maximum Marks	10 Marks

### Model Performance Testing:

S. No	Parameter	Values	Screenshot															
1.	Model Summary	LSTM Model	<pre>model.summary()</pre> <p>Model: "sequential"</p> <table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td>lstm (LSTM)</td><td>(None, 10, 50)</td><td>10400</td></tr><tr><td>lstm_1 (LSTM)</td><td>(None, 10, 50)</td><td>20200</td></tr><tr><td>lstm_2 (LSTM)</td><td>(None, 50)</td><td>20200</td></tr><tr><td>dense (Dense)</td><td>(None, 1)</td><td>51</td></tr></tbody></table> <p>Total params: 50,851 Trainable params: 50,851 Non-trainable params: 0</p>	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
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2.	Accuracy	Training Accuracy- 97.654321 Validation Accuracy- 98.178652	<p>Train Mean Absolute Error: 0.723316827206291 Train Root Mean Squared Error: 1.1793771816776355 Test Mean Absolute Error: 0.988249098853107 Test Root Mean Squared Error: 1.3141983934772166</p> 															