PROJECT TITLE: CRUDE OIL PRICE PREDICTION

INTRODUCTION:

Crude oil is a yellow-black naturally occurring liquid found in geological formations beneath the Earth's surface that can be fractionated into various types of consumer fuels. Crude oil is currently one of the most important energy resources on the planet. So far, it has remained the world's most important fuel, accounting for nearly one-third of global energy consumption. Refined crude oil is also used to make petroleum products. Encouragement of the use of fossil fuels is becoming increasingly unpopular, as they are unmistakably responsible for global warming and other severe effects on ecosystems. To address the climate crisis, the world is making a concerted effort to phase out fossil fuels. To address the climate crisis, the world is making a concerted effort to phase out fossil fuels. Petroleum is critical to industries and civilians, and it accounts for a significant portion of the world's energy consumption, making it an important factor in global politics and international relations. Current estimates place global petroleum consumption at up to 95 million barrels per day. The forecasting used for crude oil price prediction is relevant for big and small industries, as well as the government benefiting from the predicted prices, but due to the evaporative nature of oil, it becomes very difficult to achieve accuracy.

LITERATURE SURVEY:

- K. Chen, Y. Zhou, and F. Dai, Big Data (Big Data) used an LSTM method for predicting the stock prices in Chinese Stock Market.
- Yu Runfang, Du Jiangze and Liu Xiaoto improved the forecast ability of oil market volatility based on combined Markov switching and GARCH-class Model.
- N. Abdullah and X. Zeng published a paper titled "Machine learning approach for crude oil price prediction using Artificial Neural Networks-Quantitative (ANN Q) model."
- Yanhui Chen, Kaijian Heb, and Geoffrey K.F. Tso developed a deep learning model for forecasting crude oil prices.
- Iddhi Vinayak Kulkarni and Imad Haidar created a Crude Oil Price Forecasting Model Using Artificial Neural Networks and Commodity Futures Prices.

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