

CRUDE OIL PRICE PREDICTION **USING ARTIFICIAL INTELLIGENCE**

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FUNCTIONAL REQUIREMENT:

Following are the functional requirements of the proposed solution.

FR.NO	Functional requirement	Sub requirement (story/subtask)
FR-1	User registration	Registration through Form.
FR-2	User confirmation	Confirmation via SMS.
FR-3	Fetching input data	Give the model the input data.
FR-4	Generating results	Prediction of oil prices

NON FUNCTIONAL REQUIREMENT:

Following are the non-functional requirement of the proposed solution

NFR.NO	Non-functional requirement	Description
NFR-1	Usability	User interfaces are easy to use
NFR-2	Security	Sensitive data is protected.
NFR-3	Reliability	Because there is very little variance from the prediction . the testing is highly dependable.
NFR-4	Performance	Using LSTM networks gives high performance.
NFR-5	Availability	The system tested with 4 datasets and the system operating properly.
NFR-6	Scalability	LSTM model works efficiently for large number of users.