

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	07 November 2022
Team ID	PNT2022TMID31004
Project Name	Project - Crude Oil Price Prediction
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
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 Requirements:**

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	user interfaces are easy to use.
NFR-2	<b>Security</b>	Sensitive data is protected.
NFR-3	<b>Reliability</b>	Because there is very little variance from the prediction, the testing is highly dependable.
NFR-4	<b>Performance</b>	Using LSTM networks gives highly performance.
NFR-5	<b>Availability</b>	The system tested with 4 datasets and the system operating properly.
NFR-6	<b>Scalability</b>	LSTM network model works efficiently for large number of users.