

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

Date	19 October 2022
Team ID	PNT2022TMID02625
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	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 highly performance.
NFR-5	Availability	The system tested with 4 datasets and the system operating properly.
NFR-6	Scalability	LSTM network model works efficiently for large number of users.