

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

Date	15 October 2022
Team ID	PNT2022TMID50878
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 Email
FR-3	fetching input data	give the input data to the model
FR-4	Generating Results	Prediction of Oil Prices

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	user interfaces are to use
NFR-2	Security	well secured
NFR-3	Reliability	As the testing shows very less deviation from the prediction,it is highly reliable
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