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

Date	03 October 2022
Team ID	PNT2022TMID25098
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 Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
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.

FR 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