

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

Date	15 October 2022
Team ID	PNT2022TMID00041
Project Name	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	User Input	Get necessary details for prediction
FR-4	Data Processing	Data cleaning, Data scaling, Feature selection
FR-5	Prediction	Predicting whether the user has gained profit or not

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	To check whether the user has gained profit or Not
NFR-2	Security	Implement necessary techniques to provide security to the user data
NFR-3	Reliability	Make ensure that the model is reliable
NFR-4	Performance	Use efficient ML techniques for better accuracy
NFR-5	Scalability	Predicts the price of various crude oil.