

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

Date	03 October 2022
Team ID	PNT2022TMID43298
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	User login	Login via user credentials
FR-4	Primary specifics	The user has to specify the location from where crude oil is to be purchased and the date of purchase.
FR-5	Additional requirements	User must have proper internet connection.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user is provided with better user interface so that they can access the application effectively.
NFR-2	Security	Certain encryption algorithms are used to securely maintain user's data.
NFR-3	Reliability	Users review and feedback are taken and is used to maintain reliability.
NFR-4	Performance	The accuracy of the prediction will be good irrespective of the size of dataset and number of users.
NFR-5	Availability	The application is available to all users at any time.
NFR-6	Scalability	As the model is trained with huge data, it is capable of handling growing data without affecting performance.