

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

Date	22 October 2022
Team ID	PNT2022TMID33226
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 Google or any registered mails.
FR-2	User Confirmation	<input type="checkbox"/> <input type="checkbox"/> Confirmation via Email <input type="checkbox"/> <input type="checkbox"/> Confirmation via OTP
FR-3	Authentication	<input type="checkbox"/> <input type="checkbox"/> Verified through Mobile number OTP <input type="checkbox"/> <input type="checkbox"/> Verified through Email OTP
FR-4	Administrative functions	Probability and approximate prices of crude oil should be updated correctly.
FR-5	Authorization	User should be able to access the site easily and get information accurately.
FR-6	Transactions	Payment should be in a legit process for the special features.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Prices can be predefined through the site or app. User should view simplified interface.
NFR-2	<b>Security</b>	User will have their identities more secured.
NFR-3	<b>Reliability</b>	The prediction should given by a proper analytics. So that user can't get a false prediction.
NFR-4	<b>Performance</b>	User friendly, Effective method, stress less and reliable.

NFR-5	<b>Availability</b>	The site is reinforced to with stand heavy traffic and can sustain high number of users at once, making it highly available.
NFR-6	<b>Scalability</b>	Regular updates can be provided to fix the bugs thus making sure smooth running of the site in the long run.