

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

Date	03 October 2022
Team ID	PNT2022TMID13501
Project Name	Project – Crude Oil Price Prediction
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through Linked IN.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP.
FR-3	User login	Login through username and password.
FR-4	User Solution	Model creation using python with necessary libraries.
FR-5	Fetching input data	Give the input to the model.
FR-6	User Acknowledgement	Sending and receiving data will be made by using flask libraries.
FR-7	Additional datas	Read latest news. Check exchange rates.
FR-8	Database	Data are stored in a database.
FR-9	Result generating	Oil price will be displayed to the user.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It can used by wide variety of client as it is very simple. Available in all mobile and laptop,
NFR-2	Security	User can't share the login id and password to the unknown person/third person.
NFR-3	Reliability	At the time of entry all user variable data will be committed to the database. Update the database within the particular time.
NFR-4	Performance	It will be perform fast and secure.
NFR-5	Availability	The system should always be accessible allowing for simple user access. Available for 24x7.
NFR-6	Scalability	Focus on the measurement of the system response time under various load levels.

