

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

Date	10 October 2022
Team ID	PNT2022TMID13214
Project Name	Project - Crude Oil Price Prediction

**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	Registration Confirmation.
FR-3	Fetching input data	Give the model the past oil prices.
FR-4	Generating Results	Prediction of Crude Oil Prices.

**Non-functional Requirements:**

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	User Interface that is functional and elegant.
NFR-2	Security	Sensitive data should be protected in transit.
NFR-3	Reliability	Low Variance model to provide reliable prediction.
NFR-4	Performance	Fine Tuned LSTM networks with improved prediction performance.
NFR-5	Availability	The Web Application is highly available
NFR-6	Scalability	Improved scaling and convergence for large inputs.