# Project Design Phase-II

**Solution Requirements (Functional & Non-functional)**

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| Date | 11 October 2022 |
| Team ID | PNT2022TMID31699 |
| Project Name | Crude Oil Price Prediction |
| Maximum Marks | 4 Marks |

## Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form |
| FR-2 | Graph | Showing graph by obtaining the data from the dataset |
| FR-3 | Fetching input data | Give the model the input data. |
| FR-4 | News | Information of the oil prices will be updated by admin |
| Fr-5 | Database | Information of the User will be stored |

## Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | It can be used by a wide range of clients because it is  simple to learn and use. |
| NFR-2 | **Security** | We will use login for the user, and the information  will be hashed, making it very secure to use. |
| NFR-3 | **Reliability** | It will be reliable in that it can update in a short  period of time, resulting in good accuracy. |
| NFR-4 | **Performance** | Even at low bandwidth, it will perform quickly and  securely. |
| NFR-5 | **Availability** | Prediction will be available to all users, but only premium users will receive news, database, and  price alerts. |
| NFR-6 | **Scalability** | It is scalable that we will use data in kb so that a  sufficient amount of storage is provided. |