

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID25121 |
| 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 Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Graph | Showing graph by obtaining the data from the dataset |
| FR-4 | Support | Providing answers for the queries asked by users. |
| FR-5 | News | Information of the oil prices will be updated by admin |
| FR-6 | Notification | Notification will be sent for the users price alert |
| Fr-7 | Database | Information of the User will be stored |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | It can use by wide variety of client as it is very simple to learn and not complex to proceed. |
| NFR-2 | Security | We are using login for the user and the information will be hashed so that it will be very secure to use. |
| NFR-3 | Reliability | It will be reliable that it can update with very time period so that the accuracy will be good. |
| NFR-4 | Performance | It will be perform fast and secure even at the lower bandwidth. |
| NFR-5 | Availability | Prediction will be available for every user but only for premium user news,database and price alert will be alert. |
| NFR-6 | Scalability | It is scalable that we are going to use data in kb so that the quite amount of storage is satisfied. |