**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID21967 |
| 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. |