**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID39305 |
| Project Name | Project - 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  Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Graph | Obtaining the data from the dataset to show the graph |
| FR-4 | Customer Support | Providing answers for the queries asked by users. |
| FR-5 | Database | User’s information will be stored |
| FR-6 | Price information | Information of the oil prices will be updated by admin |
| FR-7 | Notification | Price alert are sends to user by notification |

**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 use by wide variety of user, it is very  simple to learn and not complex to proceed. |
| NFR-2 | **Security** | In this model we are using login for the user and the information will be secured, so that it will be very secure to use |
| NFR-3 | **Reliability** | This model will be reliable, that it can update with very time period, so that the accuracy will be good. |
| NFR-4 | **Performance** | This model will be performed fast and secure even at the lower bandwidth. |
| NFR-5 | **Availability** | Prediction will be available for every user not only  for premium user. News, database and price alert  will be alert to ever user. |
| NFR-6 | **Scalability** | It is scalable, that we are going to use data in kb, so  that it’s quite amount of storage is satisfied to user. |