**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID13212 |
| 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  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | login | User can login through registered email ID or Mobile number. |
| FR-4 | Price Charts | The price of oil is displayed using a line graph. |
| FR-5 | Buying | The user can buy the oil at the particular time point. |
| FR-6 | Logout | The user can logout of their login . |

**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** | The user interface is simple. We display the data in charts to provide a clear comprehension of price activity. |
| NFR-2 | **Security** | We adhere to specific security procedures, such as the usage of user credentials and OTP verification. |
| NFR-3 | **Reliability** | The data shown in the web app is extremely accurate and predicts the correct facts. |
| NFR-4 | **Performance** | The performance of the app is determined by the precise price points. |
| NFR-5 | **Availability** | It can be accessed using all types of devices include pcs, and smart phones with different types of OS. |
| NFR-6 | **Scalability** | The app is easily scalable with the help of cloud |