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

| Date | 15 October 2022 |
|---|---|
| Team ID | PNT2022TMID13830 |
| Project Name | 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<br>Registration through Gmail<br>Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | User Input | Get necessary details for prediction |
| FR-4 | Data Processing | Data cleaning,<br>Data scaling,<br>Feature selection |
| FR-5 | Prediction | Predicting whether the user has gained profit or not |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | To check whether the user has gained profit or Not |
| NFR-2 | **Security** | Implement necessary techniques to provide security to the user data |
| NFR-3 | **Reliability** | Make ensure that the model is reliable |
| NFR-4 | **Performance** | Use efficient ML techniques for better accuracy |
| NFR-5 | **Scalability** | Predicts the price of various crude oil. |