**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID01583 |
| 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 |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Fetching Input data | Give the input data to the model |
| FR-4 | Generating Results | Prediction of Oil Prices |

**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** | User interfaces are to use |
| NFR-2 | **Security** | Well Secured |
| NFR-3 | **Reliability** | As the Testing Shows very less deviation from the prediction, it is highly Reliable |
| NFR-4 | **Performance** | Using LSTM networks gives high Performance |
| NFR-5 | **Availability** | The system it is tested with 4 Datasets and the system is operating properly |
| NFR-6 | **Scalability** | LSTM network model works efferently for large number of users |