

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

|               |                            |
|---------------|----------------------------|
| Date          | 05 November 2022           |
| Team ID       | PNT2022TMID41737           |
| 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 Application              | User Direct Open With Google Play Store App User Can Download The Crude Oil Price  |
| FR-2   | User Products Available       | User Using The Application There Are So Many Products In Crude Oil Price App<br>User Update The Energy And Oil Price Instant The Application |
| FR-3   | User Additional Features      | User Can Read Latest News And View Oil Price Charts<br>User View Major Energy Quotes<br>User Can Using A Multiple Color Themes               |
| FR-4   | User Exceptions               | User Can Exchange Rates And Currency Converter   |
|        |                               |  |
|        |                               |  |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description  |
|--------|----------------------------|--|
| NFR-1  | <b>Usability</b>           | Used to improve to the Accuracy of crude oil price prediction  |
| NFR-2  | <b>Security</b>            | In the rising oil price can even shift economical/political power from oil importers to oil exporters communications will be secured |
| NFR-3  | <b>Reliability</b>         | Reliability of the pointing towards high –risk components  |

|       |                     |  |
|-------|---------------------|--|
| NFR-4 | <b>Performance</b>  | Performance of the this project is to improve to the accuracy of crude oil price prediction                      |
| NFR-5 | <b>Availability</b> | The Availability Solution is More Benefit for and the Importers and exporters in the crude oil price prediction. |
| NFR-6 | <b>Scalability</b>  | The scalability are 90%-95%  |