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

| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID23348 |
| Project Name | Estimate The Crop Yield Using Data Analytics |
| 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 | Collect Data | Collect data from various sources to provide desired results. |
| FR-2 | Data Cleaning | Use the data properly and cleanse the data |
| FR-3 | Analysis | Analysis the data and predict the results |
| FR-4 | Visualization | Visualize the desired graph based on the data. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | The project is more user friendly while analysing with data. |
| NFR-2 | **Security** | End users can easily access the application provided by the admin with certain instructions. |
| NFR-3 | **Reliability** | This is typical approach to expansion where assets are acquired and added to current business. |
| NFR-4 | **Performance** | Agriculture plays a vital role with 58% of rural households depending on it even though India is no longer agrarian economy. |
| NFR-5 | **Availability** | There are problem situation that require simultaneous analysis of multiple variable or objects for efficient decision making. |
| NFR-6 | **Scalability** | Maximising the impact of agricultural interventions through horizontal or vertical approaches. |