Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Team ID | PNT2022TMID53863 |
| Project Name | Project - Estimate the Crop Yield using Data Analytics |
| 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 Signup | Registration through Gmail Registration through IBM |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Data Collection |  |
| FR-4 | Data Processing | Data cleaning, removal of noise and obsolete data |
| FR-5 | Visualization Tool | Graphical visualization choices |

# 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** | Ease of usage along with ease in-access of tools and features |
| NFR-2 | **Security** | Access to resources through two factor authentication and credentials |
| NFR-3 | **Reliability** | There should be no crashes or loss of data or processes |
| NFR-4 | **Performance** | High speed rendering of visualization and other readily available features |
| NFR-5 | **Availability** | Should be available on demand |
| NFR-6 | **Scalability** | Should be able to incorporate as many visualizations and datasets as possible |