Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 08 November2022 |
| Team ID | PNT2022TMID07659 |
| Project Name | Project – Fertilizer recommendation system for  disease 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 Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Profile | Filling the profile page after logging in |
| FR-4 | Uploading Dataset (Leaf) | Images of the leaves are to be uploaded |
| FR-5 | Requesting Solution | Uploaded images is compared with the pre-defined  Model and solution is generated. |
| FR-6 | Downloading Solution | The Solution in Excel format which contains the  recommendations of fertilizers and the possible diseases. |

# 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** | The Application allows users to perform the tasks  safely, effectively, and efficiently. |
| NFR-2 | **Security** | Assuring all data inside the system or its part will be protected against malware attacks or unauthorized  access. |
| NFR-3 | **Reliability** | The Application does not recover from failure  quickly, it takes time as the application is running in single server. |
| NFR-4 | **Performance** | Response Time and Net Processing Time is Fast |
| NFR-5 | **Availability** | The Application will be available up to 90% of the  time. |
| NFR-6 | **Scalability** | Application is not scalable |