**Project Design Phase-II**

**Solution Requirement (Function & Non-functional)**

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| **Date** | **7 Nov 2022** |
| **Team Id** | **PNT2022TMID46485** |
| **Tittle name** | **Fertilizer recommendation system for disease prediction** |

**Functional Requirement:**

Following are the functional requirement of the proposed solution.

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| **s.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 | 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 pdf 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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| **s.no** | **Non-Functional Requirement** | **Description** |
| NFR1 | Usability | The system allows the user to perform the tasks easily aefficiently and effectively. |
| NFR2 | Security | Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access. |
| NFR3 | Reliability | The website does not recover from failure quickly ,it takes time as the application is running in single serve |
| NFR4 | Performance | Response Time and Net Processing Time is Fast |
| NFR5 | Availability | The system will be available up to 95% of the time |
| NFR6 | Scalability | The website is scalable |