**Project Design phase-II**

**Solution Requirements (Functional & Non-functional)**

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| --- | --- |
| Date | 21-10-2022 |
| Team ID | PNT2022TMID38223 |
| Project Name | Fertilizers Recommendation System for Disease Prediction |
| Maximum Marks | 4mark |

**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 Form  Registration through Gmail  Registration through LinkedIn |
| **FR-2** | **User Confirmation** | Confirmation via Email  Confirmation via OTP |
| **FR-3** | **User Profile** | Filling the profile page after logging in |
| **FR-4** | **Uploading Dataset (Leaf)** | Images of the leaves are to be upload |
| **FR-5** | **Requesting Solution** | Uploaded images are 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. (or) The Solution application format. |

**Non-function Requirement**

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

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| **FR NO.** | **Non-Functional requirement** | **Description** |
| **NFR-1** | **Usability** | The system allows the user to perform the tasks easily and efficiently and effectively. |
| **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 Website does not recover from failure quickly, it  Takes time as the application is running in single sever |
| **NFR-4** | **Performance** | Response Time and Net Processing Time is Fast |
| **NFR-5** | **Availability** | The system will be available up to 95% of the time. |
| **NFR-6** | **Scalability** | The website is scalable |