# Project Design Phase-II

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

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| **Date** | **17 October 2022** |
| **Team ID** | **PNT2022TMID21860** |
| **Project Name** | **Project - Fertilizers 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 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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| **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 server** |
| **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** |