# Project Design Phase - II

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

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| **Date** | **21 October 2022** |
| **Team ID** | **PNT2022TMID23699** |
| **Project Name** | **Project - Fertilizers Recommendation System for Disease Prediction** |
| **Maximum Marks** | **4 Marks** |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **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.

# FR

**No.**

# Non-Functional Requirement Description

**NFR-1 NFR-2**

# NFR-3

**NFR-4 NFR-5**

# Usability Security

**Reliability**

# Performance Availability

The system allows the user to perform the tasks easily and efficiently and effectively.

Assuring all data inside the system or its part will be

protected against malware attacks or unauthorized access.

The website does not recover from failure quickly

,it

takes time as the application is running in single server

Response Time and Net Processing Time is Fast The system will be available up to 95% of the time

# NFR-6

**Scalability**

The website is scalable