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| **Project Design Phase-II**  **Solution Requirements (Functional & Non functional)**     |  |  | | --- | --- | | **Date** | **17 October 2022** | | **Team ID** | **PNT2022TMID23494** | | **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** | **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** | |