

Project Design Phase-II
Solution Requirements (Functional & Non functional)

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| Date | 10 October 2022 |
| Team ID | PNT2022TMID53297 |
| Project Name | 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 |