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| DATE | 13 october 2022 |
| TEAM ID | PNT2022TIBM29514 |
| PROJECT NAME | FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION |
| TOTAL 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 OR SUB TASK) |
| FR-1 | User Registration | Registration through Form |
| FR-2 | User Confirmation | Confirmation via Emai |
| 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 |