

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

Date	03 October 2022
Team ID	PNT2022TMID01948
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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Authentication	Login with a Valid ID and password. Two step verification for highest level of authenticity
FR-4	External interfaces	Reference links for the product recommended Subsidiary sites that offer discount on purchase
FR-5	Reporting	Reports to track the user data over his time on application.
FR-6	Compliance	Must be withing the government regulatory rules and norms.

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The application should be user friendly with a good user interface and user experience designs. Language should include all Indian one and English

NFR-2	<b>Security</b>	The user information should be encrypted while in transit or when stored in the database. Authenticity must be taken care while changing the data.
NFR-3	<b>Reliability</b>	The updates must take confirmation with a passcode from user All the updates should have roll back process if done without confirmation,
NFR-4	<b>Performance</b>	Loading time should be very less Transition between external sites should be done on new tab Should be scalable

NFR-5	<b>Availability</b>	Should be available from anywhere Maintenance should be done such that the down time is not more than 2hours
NFR-6	<b>Scalability</b>	Should be able to scale millions of users and their data