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

Date	03 October 2022
Team ID	PNT2022TMID18456
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	**Usability**	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	**Security**	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	**Reliability**	The updates must take confirmation with a passcode from user All the updates should have roll back process if done without confirmation,
NFR-4	**Performance**	Loading time should be very less Transition between external sites should be done on new tab Should be scalable

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