

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

Date	15 October 2022
Team ID	PNT2022TMID39322
Project Name	Fertilizer recommendation system for plant diseases 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 login	Login the web application of user (farmer) via user name.
FR-2	Home page	In home page about plant diseases how aware of that diseases ,what are measure to done for that disease are mentioned.
FR-3	Predict page	There are two option in that page one fruit leaves ,another one is vegetable leaves user has choose what type of leaves they going to predict .
FR-4	Upload image	In that predict page upload the image of affected plant and click predict button.
FR-5	Result	In result show what kind of diseases it was and suggest fertilizer for affected plant.
FR-6	Motivation page	In this page motivation for user are shown.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	User-friendly interface to use , disease prediction, fertilizer recommendation system.
NFR-2	<b>Security</b>	The information belong to user are secured highly.
NFR-3	<b>Reliability</b>	Recommendation system is new era of research to predict things to end user. The predicting fertilizer very reliable product.
NFR-4	<b>Performance</b>	It's Very high accuracy to detect the disease and suggest the perfect fertilize.
NFR-5	<b>Availability</b>	We use mobile applications to predict and analyze the disease . we use it every place with help of the application.
NFR-6	<b>Scalability</b>	It's a high range to train more images and it's support vector vision is 98 percent.