

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	29 October 2022
Team ID	PNT2022TMID10804
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)
1	User Registration	Utilizing a website or application to register
2	User Confirmation	Authenticating via OTP Authenticating via Gmail
3	User work	Take photo Upload from gallery
4	Image processing	Upload the photograph to help with leaf disease prediction.
5	Prediction result	The official name of the illness is fertiliser for that illness.
6	Final part	Type of Leaf disease is predicted

Non-functional Requirements:

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

FR NO.	Non-functional requirement	Description
1	Usability	The expected level of system interaction from users.
2	Security	Software needs to be secured from malicious attacks and other hacking risks in order to continue working as intended.
3	Reliability	An algorithm for plant disease identification that never fails
4	Performance	The models' efficient deployment in the IBM cloud will result in good performance.
5	Availability	Everyone only has the access to the ability to predict plant disease.
6	Scalability	The system's capacity to modify its performance and cost in response to shifts in application and system processing demands.