Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID19096
Project Name	IOT Based Smart Crop Protection for Agriculture
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	User login	Setting up User ID and Password
FR-4	App Permission	Grant the permission for the app to access location, contact etc...,
FR-5	Interface with the Device	The use shall be able to search either all databases or specify a subset.
FR-6	Image Detection	The system shall provide appropriate viewers for the user to see the Crop Management

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR No.	Non -Functional Requirements	Description
NFR-1	**Operational**	Physical and Technical environment constraints including temperature and humidity concerrns.
NFR-2	**Performance**	Speed ,realiability,and capacity of the system
NFR-3	**Security**	Authorization access scenarios and the definitions ,hand-over procedures for the the farmers and the cultivation to be monitored.
NFR-4	**Scalability**	This device is very small and easy to wear. The child does not feel any in secureness.