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

Date	28 October 2022
Team ID	PNT2022TMID43116
Project Name	SmartFarmer- IOT Enabled Smart Farming Application
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	Visiting website	Checking for the humidity. Monitoring the whole field. Checking for the pest intrusion in the field.
FR-2	Analysis	Analysing the growth of the crops. Analysing the disease affected in the crops.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The UI should be simple enough for everyone to understand
NFR-2	Security	The website must be secure enough to trust by the users.
NFR-3	Reliability	The UI should be able to withstand any errors in the data.
NFR-4	Performance	The live plot for the humidity conditions is presented in the dashboard.
NFR-5	Availability	The UI should respond to the users within 2 seconds.
NFR-6	Scalability	Different images could be captured and multispectral imaging can be done.