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

Date	03 October 2022
Team ID	PNT2022TMID27393
Project Name	IoT Based Smart Crop Production System 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, Gmail, LinkedIn
FR-2	User Confirmation	Confirmation via Email, OTP
FR-3	User Understanding	For better understanding of the farmer, the signs should be clear and legible. It can include illustrations to make it easily understandable for the farmers
FR-4	User Convenience	The display should be big enough that it should be visible clearly even from a far distance

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It should have a good security system so no other person is able to hack and display their own directions.
NFR-2	**Security**	It should able to display information without any errors.
NFR-3	**Reliability**	It should have the ability to automatically update itself when certain weather problems arise.
NFR-4	**Performance**	It should be available 24/7 for the benefit of the customers.
NFR-5	**Availability**	It should have the ability to change and upgrade easily according to the requirements.
NFR-6	**Scalability**	It should be able to upgrade and update when there is a need for it.