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

Date	14 October 2022
Team ID	PNT2022TMID46771
Project Name	Smart farmer-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	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Use USER Id and password to login.
FR-4	User Dashboard	Select catagories. Eg:Temperature, Weather, Light, Humidity.
FR-5	Analyze Data	Collect the data about crop.
FR-6	Share data	Convert data into pdf. Send pdf to cutomer.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To increase crop quality and quantity.
NFR-2	**Security**	Authorization and trust of data.
NFR-3	**Reliability**	Reliability failure rate is high when harsh environment
NFR-4	**Performance**	Identifying and describing technical, functional and non-functional Future Internet– specifications for experimentation in smart agri-food production
NFR-5	**Availability**	Tamil Nadu Precision Farming Project was a Tamil Nadu State sponsored turnkey project was implemented
NFR-6	**Scalability**	Scalability in snart farming refers to the adaptability of a system to the capacity.