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

Date	13 October 2022
Team ID	PNT2022TMID04037
Project Name	Project – IOT ENABLED SMART FARMING APPLICATION SYSTEM.
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 Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Log in to system	Check Credentials Check Access Role.
FR-4	Manage Modules	Manage System Admins Manage User Role Manage User permission
FR-5	Check whether details	Temperature details Humidity details
FR-6	Log out	Exit

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability includes easy learn and access , efficiency in use, lack of errors in operation, and subjective pleasure.
NFR-2	**Security**	Sensitive and private data are protected from the production until the decision-making and storage .
NFR-3	**Reliability**	The shared protection achieves a better trade-off between costs and reliability. Giving accurate details about the given parametres.

NFR-4	**Performance**	The implemention of integrated sensors with soil sensor and environmental parameters in farming is more efficient for overall monitoring.
NFR-5	**Availability**	The equipements used in the apllication are widely available at cost effective .