Project Design Phase-II
Solution Requirements

Date	03 October 2022
Team ID	PNT2022TMID42568
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 Gmail
FR-2	User Confirmation	Confirmation via OTP
FR-3	User Login	Login with Email Id and Password
FR-4	Forgot Password	Confirmation Of OTP and verification with Email
FR-5	Query Form	Make a note of the problems and issues faced by user when using the application
FR-6	Weather And Sensors	To find and show climatic conditions like humidity, temperature in a particular area using different sensors
FR-7	Database Management	To show various agriculture related data are stored
FR-8	Exit	After user verified every information, user can Exit the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Time consumption is less, Productivity is high.
NFR-2	**Security**	It has low level of security features due to integration of sensor data.
NFR-3	**Reliability**	Accuracy of data and hence it is Reliable.
NFR-4	**Performance**	Performance is high and highly productive.
NFR-5	**Availability**	With permitted network connectivity the application is accessible
NFR-6	**Scalability**	It is perfectly scalable many new constraints can be added