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

Date	18 October 2022
Team ID	PNT2022TMID01130
Project Name	Smart Farmer - IoT Enabled Smart FarmingApplication
Maximum Marks	4 Marks

TEAM MEMBERS:

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Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
1	User Registration	Registration Through Gmail
2	User Confirmation	Confirmation Via EmailConfirmation Via OTP
3	User Login	Login with Email Id and Password
4	Forgot Password	Login with Email Confirmation Of OTP from message or email
5	Query Form	send the problems and issues faced by userwhen using the application
6	Weather	To find the climate information of a particular area
7	Agro Note	To list of agriculture related information like how to plant,how much litres of water that plant need in a day ,adding manure and fertilizers, irrigation, harvesting and storage etc.
8	Sensors	To show various data from different sensors like Optical Sensors,Electrochemical Sensors For Soil Nutrient Detection, Mechanical Soil Sensors,Dielectric Soil Moisture Sensors,Location Sensors, Airflow Sensors,Electronic Sensors.
9	Database Management	To show various agriculture related data are stored
10	Exit	After user checked every information, user can exit theapplication

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
1	**Usability**	Effective and Easy to Use
2	**Security**	The process of protecting data fromUnauthorized Access
3	**Reliability**	Consistency and Accuracy and the shared protectionachieves a better trade-off between costs and reliability
4	**Performance**	Measured and estimate the performance of theProductivity
5	**Availability**	24/7 services