

PROJECT DESIGN PHASE II

Solution Requirements (Functional & Non-functional)

Date	04 November 2022
Team ID	PNT2022TMID29937
Project Name	Project – 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 Registration through form
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with Email Id and Password
FR-4	Weather	To find the information of climate in a particular area
FR-5	Sensors	To show data from different sensors like humidity, soil moisture, temperature, weather etc...
FR-6	Exit	After user checked 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	Effective and Easy to Use, Time consumption is less
NFR-2	Security	The data will be protected from the unauthorized users
NFR-3	Reliability	To know the real-time status of the crops by capturing the data from sensors.
NFR-4	Performance	Due to the high performance, productivity is high
NFR-5	Availability	All the time, 24/7 it will be available

NFR-6	Scalability	Scalability is main concern for IoT platform. It is perfectly scalable many new constraints can be added
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