

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

Date	23 October 2022
Team ID	PNT2022TMID34551
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Verifying Email	Verification Email is sent to respective Email IDs for verification.
FR-4	Authentication	Using of Biometrics or PIN Authentication to perform some sensitive actions on the app.
FR-5	Exporting Reports	Allowing users to export their yearly, monthly, weekly stats.
FR-6	Sharing of data to third-party application	Allowing users to share some data via whatsapp and other medium.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Dashboard must be simple, clean and customizable.
NFR-2	<b>Security</b>	Using two factor authentication and maintaining session period for some actions.
NFR-3	<b>Reliability</b>	Ensure the code is well and good before making it to production.
NFR-4	<b>Performance</b>	Writing a efficient code to give better performance to the low end devices too.
NFR-5	<b>Availability</b>	Deploying the application in two or more Availability Zones to ensure the availability SLA of 99.999%
NFR-6	<b>Scalability</b>	Using auto scalable services in cloud for database, compute, etc....