

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

Date	03 October 2022
Team ID	PNT2022TMID01891
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	IoT Kit	Wi-Fi module (ESP 232)
FR-4	Sensors	Soil moisture sensor, temperature and humidity sensor, Light sensor.
FR-5	Power supply	Switched Mode Power supply (SMPS)

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The project is portable.
NFR-2	Security	It has user authentication.
NFR-3	Reliability	Made of reliable components and IoT material.
NFR-4	Performance	The project has very high performance.
NFR-5	Availability	Most of the sensors are available in the market.