

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

Date	16 October 2022
Team ID	PNT2022TMID33628
Project Name	IOT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	FUNCTIONS
FR-1	Moisture sensor	Confirms the presence of moisture in the field
FR-2	Float switch	Indicates the depth of water level in the field
FR-3	Arduino	Reads & process the input and control the outputs

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-Friendly Application.
NFR-2	Cost	Affordable cost
NFR-3	Reliability	Highly trustable and works for long time.
NFR-4	Performance	Precise measurement and notifies instantly.
NFR-6	Scalability	Reaching the on-scale requirement of the user.