

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

Date	27 October 2022
Team ID	PNT2022TMID02383
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	<b>Usability</b>	User-Friendly Application.
NFR-2	<b>Cost</b>	Affordable cost
NFR-3	<b>Reliability</b>	Highly trustable and works for long time.
NFR-4	<b>Performance</b>	Precise measurement and notifies instantly.
NFR-6	<b>Scalability</b>	Reaching the on-scale requirement of the user.