

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

Date	15 October 2022
Team ID	PNT2022TMID30018
Project Name	<i>Project- IoT Based Smart Crop Protection System for Agriculture</i>
Maximum Marks	<i>4 Marks</i>

Functional Requirements:

- Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Sensor	Dozens of sensors are available today, but the five most important sensors for the maintenance professional are vibration, gas, temperature, humidity, and security sensors.
FR-2	User Registration	Registration through Form Registration through Gmail Registration through Linked IN
FR-3	User Confirmation	Confirmation via Email Confirmation via OTP

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Indicates how effectively and easy users can learn and use a systems.
NFR-2	Security	Assures all the data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	Reliability	Specifies the probability of the software performing without failure for a specific number of users or amount of time.
NFR-4	Performance	Deals with the measure of the systems response time under different load conditions.
NFR-5	Availability	Describes how likely the system is accessible for a user at a given point in a time.
NFR-6	Scalability	Assesses the highest workloads under which the system will still meet the performance requirements.