

## Project Design Phase II

### Solution Requirements( Functional and Non- Functional)

Date	15/10/2022
Team ID	PNT2022TMID33612
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 Requirements(Epic)	Sub requirements(Story/Sub Task)
FR1	Resource Discovery	Find the required resources for the farming and intimate to the farmers.
FR2	Resource Management	Manage the resources which is provided by the farmers in an efficient manner.
FR3	Data Management	Maintain the data such as Temperature, Humidity, Weather.
FR4	Event Management	Manage the Farming operations like trilling, planting, spraying and irrigating.
FR5	Code Management	Manage the code to control all the process, save the data etc.
FR6	Reporting	View the water ability report, weather report, temperature report.

## **Non- Functional Requirements:**

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

<b>FR No.</b>	<b>Non- Functional Requirements</b>	<b>Description</b>
FR1	Usability	The system is user friendly and by making the maximum use of resources.
FR2	Security	This system provides security which is to keep the data in secure manner.
FR3	Reliability	The system's reliability depends on the various factors like ensuring proper validations for each field and form in the system.
FR4	Performance	The system's performance is how fast the system provide the output while giving the input.
FR5	Availability	The system should available for farmers in any time.
FR6	Scalability	The system should give the exact values for humidity, weather.