Date	03 October 2022
Team ID	PNT2022TMID52019
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 Gmail
FR-2	User Confirmation	Confirmation through registered Email via OTP
FR-3	Log in to system	Check credentials and allow user to enter the main page with regarding their roles
FR-4	Software	Web UI, Node-red, IBM Watson, MIT app
FR-5	IOT devices	Sensors, Relays and Wi-fi module

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Includes easy learn ability, efficiency in use, remember ability, lack of errors in operation and subjective pleasure
NFR-2	**Security**	Sensitive and private data must be protected
NFR-3	**Reliability**	Farmer can get a field task accomplished in a timely manner, it also reduces lost time and productivity.
NFR-4	**Performance**	Smart farms are accurate farms oriented to increase efficiency
NFR-5	**Availability**	With permitted network connectivity the application is accessible. The availability of low-cost cloud services encourages farmers to adopt smart farming
NFR-6	**Scalability**	It is perfectly scalable many new constraints can be added