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

Date	15October 2022
Team ID	PNT2022TMID20449
Project Name	Project –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	IoT devices	Sensors and Wifi module.
FR-2	Software	Web UI, Node-red, IBM Watson, MIT app

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Consumes less time, although the productivity remains high
NFR-2	**Security**	It has low level of security features due to integration of sensor data.
NFR-3	**Reliability**	Data obtained is accurate and it is completely reliable
NFR-4	**Performance**	It gives high performance and high productivity
NFR-5	**Availability**	With the minimum network connectivity also, the application is absolutely accessible
NFR-6	**Scalability**	It is scalable in the sense that additional constraints can be added in the future if the situation demands