

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

Date	10 November 2022
Team ID	PNT2022TMID34723
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	<b>IoT devices</b>	Sensors and Wifi module
FR-2	<b>Software</b>	Web UI, Node-red, IBM Watson, MIT app
FR-3		
FR-4		

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Time consumability is less, Increased production.
NFR-2	<b>Security</b>	It has low level of security features due to integration of sensor data.
NFR-3	<b>Reliability</b>	Accuracy of data and hence it is Reliable.
NFR-4	<b>Performance</b>	Performance is high and productivity is high.
NFR-5	<b>Availability</b>	With permitted network connectivity the application

		is accessible.
NFR-6	<b>Scalability</b>	It is perfectly scalable with many new constraints can be added.