

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

Date	03 October 2022
Team ID	PNT2022TMID40437
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	Less time consumption, high productivity.
NFR-2	Security	Due to integration of sensor data, it has low level of security.
NFR-3	Reliability	It is Reliable because of accuracy of data.
NFR-4	Performance	Performance is high and good yield.
NFR-5	Availability	The application is accessible with permitted network connectivity.
NFR-6	Scalability	Perfectly scalable with many new constraints can be added.