

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

Date	21 October 2022
Team ID	PNT2022TMID23830
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	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	Time is consumed more slowly, and productivity is higher.
NFR-2	Security	Due to the integration of sensor data, it has low-level security features.
NFR-3	Reliability	Data is reliable because of its accuracy..
NFR-4	Performance	High-level output is being produced.
NFR-5	Availability	The application is accessible with allowed network connectivity.
NFR-6	Scalability	It is completely scalable. There is plenty of room for new restrictions.