

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

Team ID	PNT2022TMID36144
Project Name	Project - Smart Farmer – IOT Enabled Smart Farming Application

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Software	MIT app, Web UI, Node-red, IBM Watson
FR-2	IoT devices	Node mcu, Required sensors
FR-3	3D printer	Make the cover case

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Time consumability is less, Productivity is high.
NFR-2	Security	It has low level of security features due to integration of sensor data.
NFR-3	Reliability	Accuracy of data and hence it is Reliable.
NFR-4	Performance	Performance is high and highly productive.
NFR-5	Availability	With permitted network connectivity the application is accessible
NFR-6	Scalability	It is perfectly scalable many new constraints can be added