

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

Date	15 October 2022
Team ID	PNT2022TMID29740
Project Name	Smart Farmer – IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Check Credentials Check roles of access
FR-4	Checking Weather Details	Temperature Details Humidity Details
FR-5	Management of Motors	Farmer should switch ON and OFF the motor through mobile application
FR-6	Logout	Exit

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	New technologies, easy learning ability, efficiency in using
NFR-2	Security	Data will be safe and it will not be corrupted.
NFR-3	Reliability	Service continuity to the IoT cloud, Redundancy scheme
NFR-4	Performance	Sensors will sense and performs automatically like switching on and off the motor, Temperature level.
NFR-5	Availability	Equipment to auto adjust Temperature, Humidity etc...
NFR-6	Scalability	Integration of these sensors, high adoption cost, Security concerns.