Solution Requirements Functional & Non-functional

Date	04 November 2022
Team ID	PNT2022TMID43020
Project Name	Project – 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**	Configuration via email/OTP
FR-3	**Login to system**	Check credentials Check Role of Access
FR-4	**Manage modules**	Manage system Admins Manage Role of User Manage User permission
FR-5	**Check details**	Temperature details Humidity details
FR-6	**Log out**	Exit

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	•High productivity •Less time consumption •Easy to learn
NFR-2	**Security**	Sensitive and private data must be protected from their production untill the decision making and storage stages
NFR-3	**Reliability**	Accuracy of data and hence it is Reliable.
NFR-4	**Performance**	The idea of implementing the integrated sensors with sensing soil and environmental or ambient parameters in farming will be more e cient for overall monitoring
NFR-5	**Availability**	Automatic adjustment of farming equipment made possible by linking information like crops, weather and equipment to auto adjust temperature, humidity, watering crops,etc.
NFR-6	**Scalability**	Scalability is a major concern for IoT platforms. It has shown that different architectural choices of IoT platforms a etc system scalability and that automatic real time decision making is feasible in an environment composed of dozens of thousands.