

PROJECT DESIGN PHASE-II

SOLUTION REQUIREMENTS

Date	03 October2022
TeamID	PN2022TMD41919
Projectname	SmartFarmer-IoT enabled Smart Farming Application
Marks	4 Marks

FUNCTIONALREQUIREMENTS

Followingarethefunctionalrequirementsoftheproposedsolution.

FRNo.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-task)
FR-1	IoT Devices	Sensor sand Wi-Fi module.
FR-2	Software	WebUI, Node-red,IBMWatson,MITapp
FR-3	User registration	Register from registration through Gmail
FR-4	User conformation	❖ Conformation via mail ❖ Conformation via OTP
FR-5	System login	❖ Check authorization ❖ Check access

NON-FUNCTIONALREQUIREMENTS

Following are then on-functional requirements of the proposed solution.

FRNo.	Non-FunctionalRequirements	Description
NFR-1	Usability	Usability specify the quality attributes of system. Timeconsumeabilityisless, Productivityishigh.
NFR-2	Security	It has lowlevelofsecurityfeaturesdueto integration Of sensor data.
NFR-3	Reliability	Accuracyofdataandhenceit is Reliable.
NFR-4	Performance	Performanceishighandhighlyproductive.
NFR-5	Availability	With permitted network connectivity the applicationisaccessible.
NFR-6	Scalability	It is perfectlyscalablemanynewconstraints canbeadded.