

ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	15October2022
Team ID	PNT2022TMID49187
ProjectName	Project–Smartfarmer-IoTenabledSmartfarming application.
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	IoT devices	SensorsandWifimodule.
FR-2	Software	WebUI,Node-red,IBMWatson,MITapp

Non-functionalRequirements:

Followingarethennon-functionalrequirementsoftheproposed solution.

FR No.	Non-FunctionalRequirement	Description
NFR-1	Usability	Timeconsumabilityisless,Productivityishigh.
NFR-2	Security	It haslowlevelofsecurityfeaturesdueto integrationofsensor data.
NFR-3	Reliability	Accuracyofdataandhence itisReliable.
NFR-4	Performance	Performanceishighandhighly productive.
NFR-5	Availability	Withpermittednetworkconnectivitytheapplication is accessible
NFR-6	Scalability	Itisperfectlyscalablemanynewconstraintscanbe added