ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	14October2022
TeamID	PNT2022TMID17177
ProjectName	Project-Smartfarmer-IOTenabledsmartfarming application
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FRNo.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	Registration through FormRegistrationthroug hGmail RegistrationthroughLinkedIn
FR-2	UserConfirmation	ConfirmationviaOTP
FR-3	UserProfile	Login AccesstheProfile
FR-4	Analyse	Datafromsmartsensorscanbeanalyzedforpredictive analysisandautomateddecision-making.
FR-5	Recommend	Basedonthefarmingthesoftwarerecommendsthe automatedirrigationpractices.

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FRNo.	Non-FunctionalRequirement	Description
NFR-1	Usability	End users can monitor and control their connectedfarmusingIOTapplicationsontheirsmart phonesor tablets.
NFR-2	Security	Thesoftwarekeepstheuser'sinformationmore securely.
NFR-3	Reliability	Thesmartfarm,embeddedwithIOTsystems,coul dbe called a connected farm, which can support awiderangeofdevicesfromdiverseagricultural devicemanufactures.
NFR-4	Performance	Itisauser-friendlysoftwareandhavehigh performance.
NFR-5	Availability	Availableforeveryuser,visibleforallusersand farmer.
NFR-6	Scalability	Theproposedprecisionfarmingstructureallowsthei mplementationofaflexiblemethodologythatcan beadoptedtodifferenttypesofcrops.