ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	13October2022
TeamID	P N T 2 0 2 2 T MI D 2 3 1 4 3
ProjectName	Project-EstimatetheCropYieldusingDataAnalytics
MaximumMarks	4Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FRNo.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	Registration through FormRegistration through GmailRegistrationthroughWh atsapp RegistrationthroughAgri-Consultancy
FR-2	UserConfirmation	Confirmation via EmailConfirmation via OTPConfirmationvia Letter
FR-3	UserProfile	UserDetails FarmDetails
FR-4	RequiredData	Thepastcropyielddata theuser(Farmer)datatoanalyse
FR-5	Analysis	Cleanandanalysethedataaccordingto theset ofpastdataofthemultipleusers(Farmer)
FR-6	Estimation	Creatingtheperfectdatamodule,visualsusingIBM Cognostoincreasetheestimationofthecrop yield

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FRNo.	Non-FunctionalRequirement	Description
NFR-1	**Usability**	According to the past data itself, data report iscreated.Bytheserecommendationthesowin gofcropswill beadvisedorconsulted
NFR-2	**Security**	IBMCognoshaveasecureuserinformation(DataVisu als)
NFR-3	**Reliability**	Theinteractivedatavisualsdashboardcanmak eeasilyunderstandableofthedatareport
NFR-4	**Performance**	Interactionmakesbetterperformancebetweena lluserandimpressingbythevisual advise
NFR-5	**Availability**	The dashboard could be easily viewed and available ineverysmartphones,laptops,systemsetc..
NFR-6	**Scalability**	The flexibility of the methodology to implement theproposedsolutionisveryeasythatcanmakeincrea se intheestimationofcrop yieldinthedifferfarmsfordifferentuser