

**ProjectDesignPhase-II**  
**SolutionRequirements(Functional&Non-functional)**

Date	27October2022
TeamID	PNT2022TMID31104
ProjectName	Project– FertilizerRecommendationSystem forDiseasePrediction
MaximumMarks	4 Marks

**FunctionalRequirements:**

Followingarethefunctionalrequirements of the proposed solution.

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	UserRegistration	RegistrationthroughForm RegistrationthroughGmailRegi strationthroughLinkedIN
FR-2	UserConfirmation	ConfirmationviaEmailConfirm ationviaOTP
FR-3	UserLogin	LoginwithusernameLogin with password
FR-4	Profileupdate	UpdatetheusercredentialsU pdate theContactdetails
FR-5	UploadingImages	CapturetheimageoftheaffectedCropUploadth eimageoftheaffectedCrop Thismodelwillpredictthediseaseoftheaffe ctedCrop
FR-6	Recommendation	Userwillrequestthefertilizer Getthefertilizerrecommendations
FR-7	RatingsandReviews	Share theirExperiencesGivetheF eedback

## Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	This service is designed and can be used on both website and mobile browsers so that the usability of this application is very efficient.
NFR-2	<b>Security</b>	This can be used only by users who have their proper login credentials.
NFR-3	<b>Reliability</b>	In case of any issue such as the delay in the responses, it will be rectified to maintain its reliability.
NFR-4	<b>Performance</b>	Sometimes the wrong predictions occur due to the inaccuracy of the model at a certain point, in order to rectify this, this application will run the model more than one time to predict the exact result and recommend the fertilizer for that disease.
NFR-5	<b>Availability</b>	It will predict any type of new disease by learning from the available dataset and predict the disease accurately.
NFR-6	<b>Scalability</b>	It can be accessed by a greater number of users at the same time without any performance issues.