

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	25 October 2022
Team ID	PNT2022TMID33888
Project Name	Fertilizer Recommendation System for Disease Prediction
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Model Creation and Training (Fruits)		Creating a model which can classify the diseased fruit plants from the given images. Also need to test the model and deploy it on IBM Cloud	8	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Model Creation and Training (Vegetables)		Creating a model which can classify the diseased vegetable plants from the given images. Also need to test the model and deploy it on IBM Cloud	2	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
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Sprint-2	Model Creation and Training (Vegetables)		Creating a model which can classify diseased vegetable plants from the given images and train on IBM Cloud.	6	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password.	3	Medium	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops.	4	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Containerization		Containerize Flask app using Docker	2	Low	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Reshmi Fiona T, Vijay S, Vanitha S, Janani M

	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Reshmi Fiona T, Vijay S, Vanitha S, Janani M
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Reshmi Fiona T, Vijay S, Vanitha S, Janani M

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 October 2022	29 October 2022	10	30 Oct 2022
Sprint-2	15	6 Days	31 October 2022	05 November 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 November 2022	12 November 2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 November 2022	19 November 2022	10	20 Nov 2022

NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints Roadmap:

Fertilizer Recommend...
Software project

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