

FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

TEAM ID : PNT2022TMID44701

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Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Model Creation and Training (Fruits)	FRSFDP-44	Create a model which can classify diseased fruit plants from given images. I also need to test the model and deploy it on IBM Cloud	8	High	Keerthivasan
	Model Creation and Training (Vegetables)	FRSFDP-45	Create a model which can classify diseased vegetable plants from given images	2	Medium	Karthi
Sprint-2	Model Creation and Training (Vegetables)	FRSFDP-46	Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Sabari
	Registration	FRSFDP-47	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	High	Manicka Vasakar
	Upload page	FRSFDP-48	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Keerthivasan
	Suggestion results	FRSFDP-49	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Manicka Vasakar
	Base Flask App	FRSFDP-50	A base Flask web app must be created as an interface for the ML model	2	High	Karthi
Sprint-3	Login	FRSFDP-51	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Sabari
	User Dashboard	FRSFDP-52	As a user, I can view the previous results and history	3	Medium	Sabari
	Integration	FRSFDP-53	Integrate Flask, CNN model with Cloudant DB	5	Medium	Keerthivasan
	Containerization	FRSFDP-54	Containerize Flask app using Docker	2	Low	Karthi
Sprint-4	Dashboard (Admin)	FRSFDP-55	As an admin, I can view other user details and uploads for other purposes	2	Medium	Keerthivasan
	Dashboard (Shopkeeper)	FRSFDP-56	As a shopkeeper, I can enter fertilizer products and then update the details	2	Low	Manicka Vasakar

	Containerization	FRSFDP-57	Create and deploy Helm charts using DockerImage made before	2	Low	Karthi
	Logout	FRSFDP-58	After finishing the process then logout	2	Low	Karthi

Project Tracker, Velocity & Burndown Chart:

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 Oct 2022	29 Oct 2022	10	30 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	10	20 Nov 2022

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

$$AV = \text{sprint duration/velocity}$$

$$= 20/10$$

$$= 2$$

BURNDOWN CHART

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However burn down charts can be applied to any project containing measurable progress over time.

