Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID33290
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)		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	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Registration	USN-1	As a user, I can sign up and register respective sites to access the required detailsand data. And import the required libraries for the processes.	3	Medium	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I will access the page, test and train the CNN model to predict or detect the plant disease.	2	High	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Anupriya A Bindu S DeviPrabhaM Dhaarani S

	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Containerization		Containerize Flask app using Docker	2	Low	Anupriya A Bindu S DeviPrabhaM Dhaarani S
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Anupriya A Bindu S DeviPrabhaM Dhaarani S
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Anupriya A Bindu S DeviPrabhaM Dhaarani S a
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Anupriya A Bindu S DeviPrabhaM Dhaarani S

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

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