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

Team ID	PNT2022TMID32012
Project Name	Fertilizer Recommendation System for Disease Prediction

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	Ilakiya, Monikasri, Nandhini, Shalene.
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Ilakiya, Monikasri, Nandhini, Shalene.

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	Ilakiya, Monikasri, Nandhini, Shalene
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Ilakiya, Monikasri, Nandhini, Shalene
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Ilakiya, Monikasri, Nandhini, Shalene
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Ilakiya, Monikasri, Nandhini, Shalene
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Ilakiya, Monikasri, Nandhini, Shalene
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Ilakiya, Monikasri, Nandhini, Shalene
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Ilakiya, Monikasri, Nandhini, Shalene.
	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	Ilakiya, Monikasri, Nandhini, Shalene.
	Containerization		Containerize Flask app using Docker	2	Low	Ilakiya, Monikasri, Nandhini, Shalene

Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Ilakiya, Monikasri, Nandhini, Shalene
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Ilakiya, Monikasri, Nandhini, Shalene
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Ilakiya, Monikasri, Nandhini, Shalene

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	30 Oct 2022	04 Oct 2022	10	05 Nov 2022
Sprint-2	15	6 Days	01 Nov 2022	06 Nov 2022	15	07 Nov 2022
Sprint-3	15	6 Days	30 Nov 2022	04 Nov 2022	15	05 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

Roadmap:

Sprints		OCT	NOV
> PART-27 Model Creation and Training (Fruits)		▮	
> PART-28 Model Creation and Training (Vegetables)		▮▮▮	
> PART-29 Registration			▮
> PART-30 Upload page and suggestion page			▮
> PART-31 Base Flask App			▮▮
> PART-32 Login			▮
> PART-33 Integration			▮
> PART-34 Containerization			▮▮▮
> PART-35 Dashboard			▮▮▮