Project Planning Phase

Date	4TH November 2022
Team ID	PNT2022TMID00332
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	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.

Sprint-2	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	8	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	5	Medium	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	8	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	8	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Base Flask App		A base Flask web app must be created as an interface for the ML model	5	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	5	High	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.

	Integration		Integrate Flask, CNN model with Cloudant DB	3	Medium	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Containerization		Containerize Flask app using Docker	2	Low	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	5	Medium	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	5	Medium	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Monesh Kumar R Mohan Ram B Mohamed Suhail S, Lee Manoj Darshan N.

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	20	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	34	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	13	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	12	

Roadmap:

Sprints	T	NOV	DEC	JAN '23
		FRFDP Sprint 1, FRFDP Sprint 2, FRFDP Sprint...		
FRFDP-17 Model Creation and Training (Fruits)				
FRFDP-18 Model Creation and Training (Vegetables)				
FRFDP-19 Registration				
FRFDP-20 Upload page				
FRFDP-21 Suggestion results				
FRFDP-22 Base Flask App				
FRFDP-23 Login				
FRFDP-24 User Dashboard				
FRFDP-25 Integration				
FRFDP-26 Containerization				
FRFDP-27 Dashboard (Admin)				
FRFDP-28 Dashboard (Shopkeeper)				