

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

Date	29 October 2022
Team ID	PNT2022TMID47415
Project Name	Fertilizer Recommendation System for Plant 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 Creationand Training (Fruits)	USN-1	Create a model which can classify diseased fruitplants from given images. I also need to test themodel and deploy it on IBM Cloud	10	High	Divya Nitheyana, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Model Creationand Training (Vegetables)	USN-2	Create a model which can classify diseasedvegetable plants from given images	10	High	Divya Nitheyana, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)	USN-3	Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Registration	USN-4	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Upload page	USN-5	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Suggestion results	USN-6	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan

	Base Flask App	USN-7	A base Flask web app must be created as an interface for the ML model	3	High	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
Sprint-3	Login	USN-8	As a user/admin/shopkeeper, I can log into the application by entering email & password	3	High	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	User Dashboard	USN-9	As a user, I can view the previous results and history	7	Medium	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Integration	USN-10	Integrate Flask, CNN model with Cloudant DB	5	Medium	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Containerization	USN-11	Containerize Flask app using Docker	5	Low	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan

Sprint-4	Dashboard (Admin)	USN-12	As an admin, I can view other user details and uploads for other purposes	8	Medium	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Dashboard (Shopkeeper)	USN-13	As a shopkeeper, I can enter fertilizer products and then update the details if any	6	Low	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan
	Containerization	USN-14	Create and deploy Helm charts using Docker Image made before	6	Low	Divya Nitheyan, Mohammed muthu fasil, Yogeshwar, Vasanth, Aadhikrishnan

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