

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID33437
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	Sri Saran K, Sathish Balaji M, Sabarinathan B, Sujith VP
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Sri Saran K, Sathish Balaji M, Sabarinathan B, Sujith VP

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

Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Sri Saran K, Sathish Balaji M, Sabarinathan B, Sujith VP
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Sri Saran K, Sathish Balaji M, Sabarinathan B, Sujith VP
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Sri Saran K, Sathish Balaji M, Sabarinathan B, Sujith VP

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	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:

Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = 13$$

Roadmap:

