

Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID42312
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	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K

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

Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K
						5.Bhuvanesh.K
	Containerization		Containerize Flask app using Docker	2	Low	1.Chanukya.E 2.Kaviya.K 3.Thejas.k 4.Tharani.S.R 5.Bhuvanesh.K

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

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

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20(points per sprint).let's Calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Roadmap:

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Search

Fertilizers Recommendation System For Disease Prediction

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

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Projects / Fertilizers Recommendation System For Disease Prediction

FRSFDP board

CS

GROUP BY

None

TO DO

You haven't started a sprint

You can't do anything on your board because you haven't started a sprint yet. Go to the backlog to plan and start a sprint.

IN PROGRESS

DONE ✓

