

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID34146
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	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Joselin Ani Rachel, Bejisha, Gousicka, Latha

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	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Joselin Ani Rachel, Bejisha, Gousicka, Latha
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Joselin Ani Rachel, Bejisha, Gousicka, Latha

	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	Joselin Ani Rachel, Bejisha, Gousicka, Latha
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	Containerization		Containerize Flask app using Docker	2	Low	Joselin Ani Rachel, Bejisha, Gousicka, Latha
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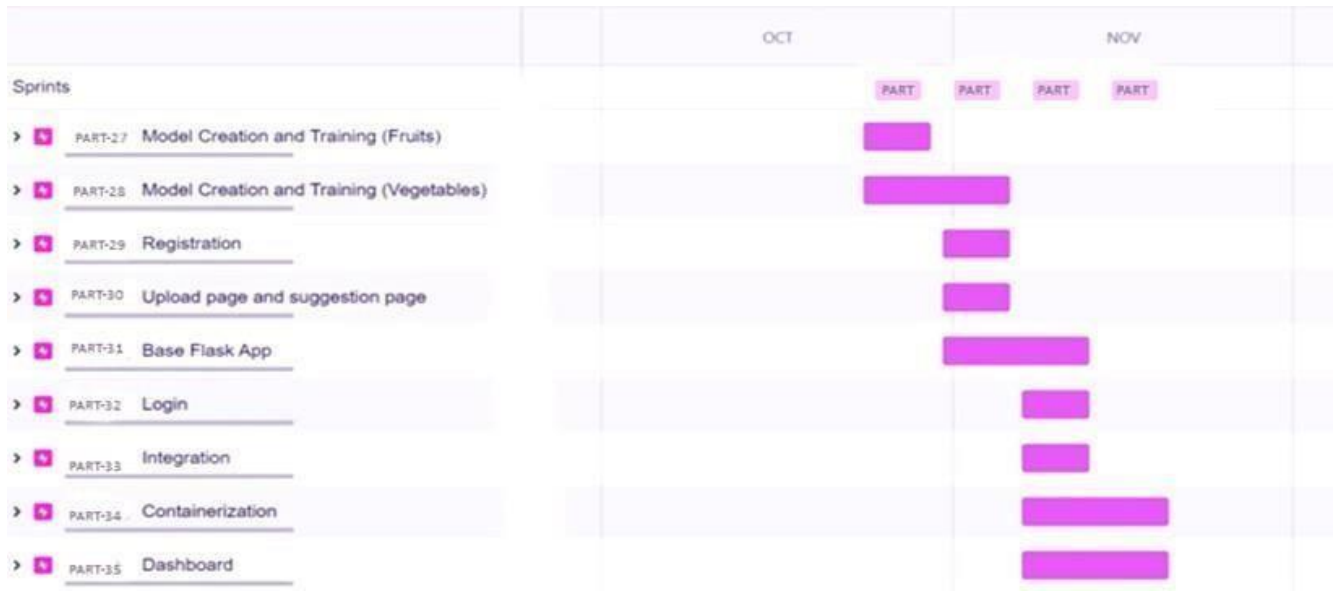
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Joselin Ani Rachel, Bejisha, Gousicka, Latha
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Joselin Ani Rachel, Bejisha, Gousicka, Latha

Project Tracker, Velocity & Burn-down 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	5 Days	30 Oct 2022	02 Nov 2022	10	06 Nov 2022
Sprint-2	15	5 Days	03 Nov 2022	06 Nov 2022	15	10 Nov 2022
Sprint-3	15	5 Days	07 Nov 2022	10 Nov 2022	15	14 Nov 2022
Sprint-4	12	5 Days	11 Nov 2022	13 Nov 2022	10	19 Nov 2022

NOTE: Burn-down charts, Velocity to be updated dynamically after end of sprints

Roadmap:



Screenshots:

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Fertilizer Recommendation...
Software project

PLANNING

- Roadmap
- Backlog
- Board**

DEVELOPMENT

- Code
- Project pages
- IBM-Project
- Add shortcut

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PART Board

GROUP BY: None

TO DO IN PROGRESS DONE ✓

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.



Fertilizer Recommend...

Software project

PLANNING



Roadmap



Backlog



Board

DEVELOPMENT



Code



Project pages



IBM-Project



Add shortcut

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Backlog

...



Epic ▾

Type ▾

Insights

▼ Sprint 1 24 Oct – 29 Oct (6 issues)

10 0 0

Start sprint

...

- ✓ HIVE-1 Collect Dataset (IBM, Kaggle)
- ✓ HIVE-2 Preprocess Images (Fruits) MODEL CREATION AND TRAINING...
- HIVE-3 Create CNN model (Fruits) MODEL CREATION AND TRAINING...
- HIVE-4 Train and test model-1 in IBM Watson MODEL CREATION AND TRAINING...
- ✓ HIVE-5 Tune parameters. MODEL CREATION AND TRAINING...
- HIVE-6 Create CNN model (Vegetables) MODEL CREATION AND TRAINING...

+ Create issue

- 1 TO DO ▾
- 1 TO DO ▾
- 2 TO DO ▾
- 3 TO DO ▾
- 1 TO DO ▾
- 2 TO DO ▾