Project Planning Phase
Project Planning Template(Product Backlog, Sprint Planning, Stories, Storypoints)

Date	25 October 2022
TeamID	PNT2022TMID13271
ProjectName	Fertilizer Recommendation System for Disease Prediction
MaximumMarks	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	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj

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	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Registration	USN-1	As a user, I can register by entering my email ,password, and confirming my password or via OAuth API	3	Medium	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Suggestion results	USN-3	As a user,I can view the results and then obtain the suggestions provided by the ML model	4	High	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can login to the application byentering email & password	2	High	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar,

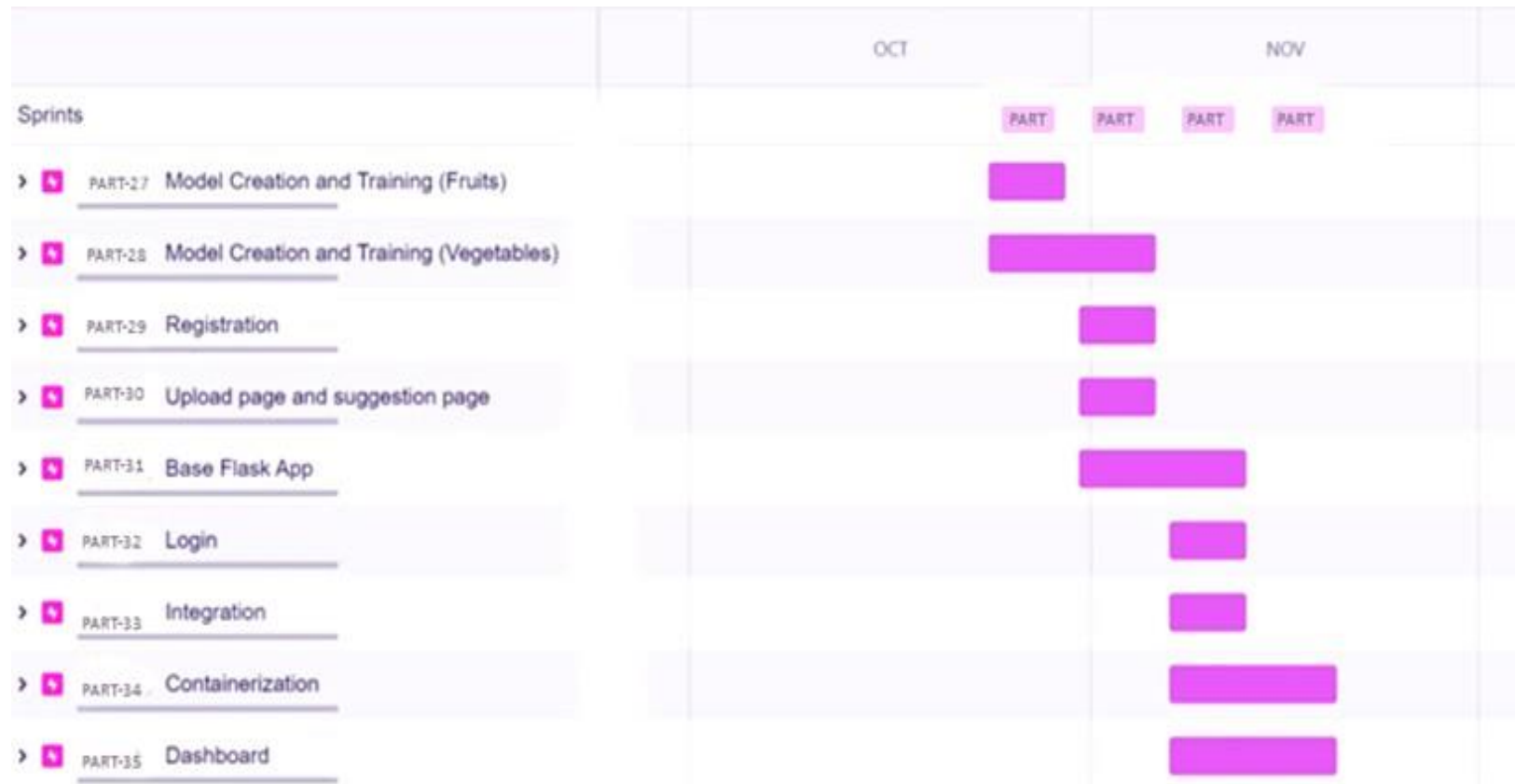|						M.Muthuraj
	Integration		Integrate Flask,CNN model with CloudantDB	5	Medium	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Containerization		Containerize Flask app using Docker	2	Low	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj

Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper,I can enter fertilizer products and then update the details if any	2	Low	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj jaya prakash.
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	M.Jeevamukesh, A.Aravinth, M.Kalimuthu Madasamy, V.Muthukumar, M.Muthuraj

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	6Days	24Oct2022	29Oct2022	10	30Oct2022
Sprint-2	15	6Days	31Oct2022	05Nov2022	15	06Nov2022
Sprint-3	15	6Days	07Nov2022	12Nov2022	15	13Nov2022
Sprint-4	12	6Days	14Nov2022	19Nov2022	10	20Nov2022

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

Roadmap:

Sprints		OCT		NOV	
			PART	PART	PART	PART
PART-27	Model Creation and Training (Fruits)				
PART-28	Model Creation and Training (Vegetables)				
PART-29	Registration				
PART-30	Upload page and suggestion page				
PART-31	Base Flask App				
PART-32	Login				
PART-33	Integration				
PART-34	Containerization				
PART-35	Dashboard				

Screenshots:

Projects / Fertilizer Recommendation System for Disease Prediction

PART Board

PLANNING
- Roadmap
- Backlog
- Board

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

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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

Backlog

...

PLANNING

≡ Roadmap

≡ Backlog

⊞ Board

DEVELOPMENT

‹/› Code

▤ Project pages

‹› IBM-Project

↱ Add shortcut

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˅   **Sprint 1** 24 Oct – 29 Oct (6 issues)   10 0 0   **Start sprint**   ...

☑ HIVE-1 Collect Dataset (IBM, Kaggle)   1   TO DO ˅

☑ HIVE-2 Preprocess Images (Fruits)   **MODEL CREATION AND TRAINING...**   1   TO DO ˅

🔖 HIVE-3 Create CNN model (Fruits)   **MODEL CREATION AND TRAINING...**   2   TO DO ˅

🔖 HIVE-4 Train and test model-1 in IBM Watson   **MODEL CREATION AND TRAINING...**   3   TO DO ˅

☑ HIVE-5 Tune parameters   **MODEL CREATION AND TRAINING...**   1   TO DO ˅

🔖 HIVE-6 Create CNN model (Vegetables)   **MODEL CREATION AND TRAINING...**   2   TO DO ˅

+ Create issue