Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID24348
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	Guna sekhar, Sarath, Charan, Rajesh, Hema sai
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai

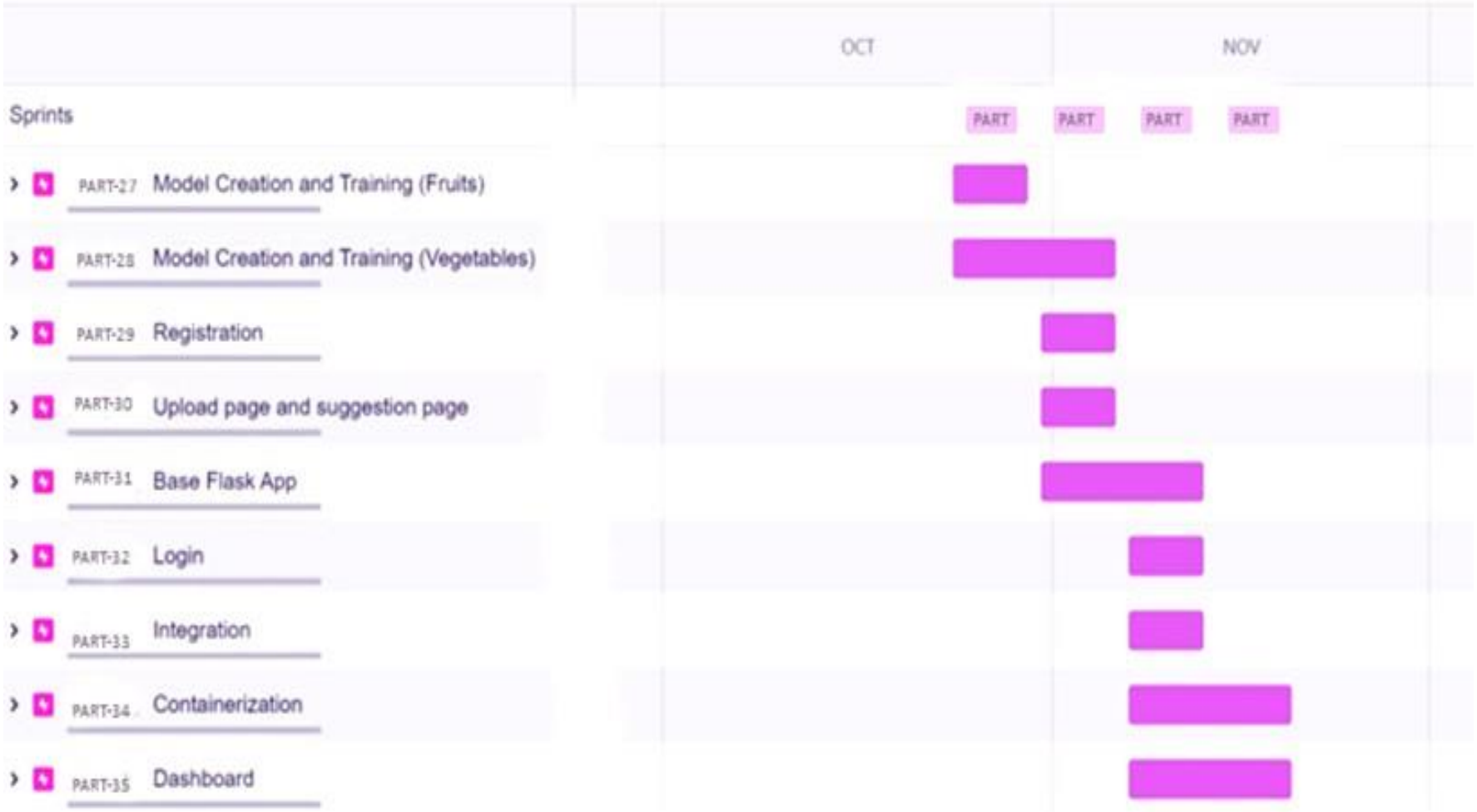
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Guna sekhar, Sarath, Charan, Rajesh, Hema sai.

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

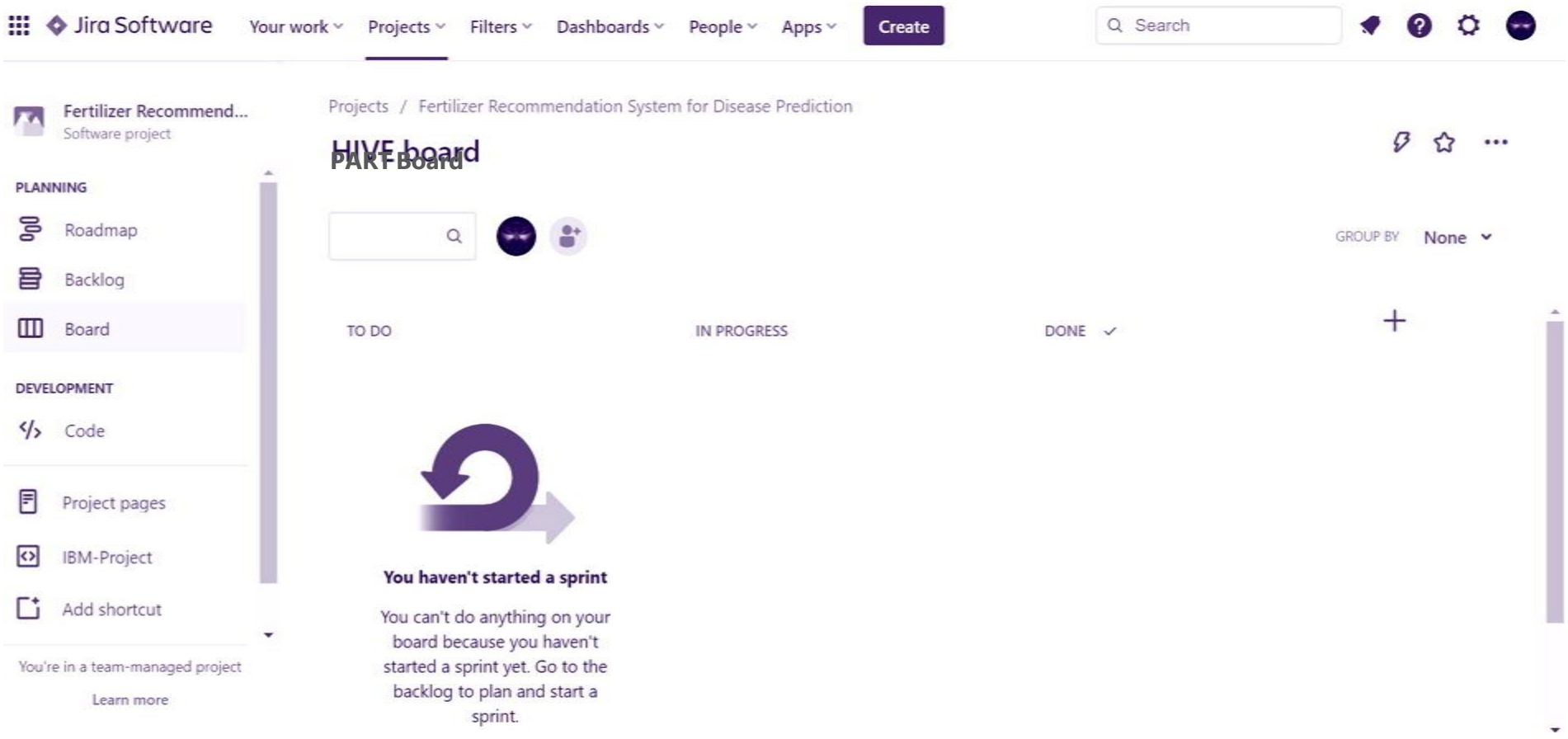
Project Tracker, Velocity & Burndown Chart: (4 Marks)

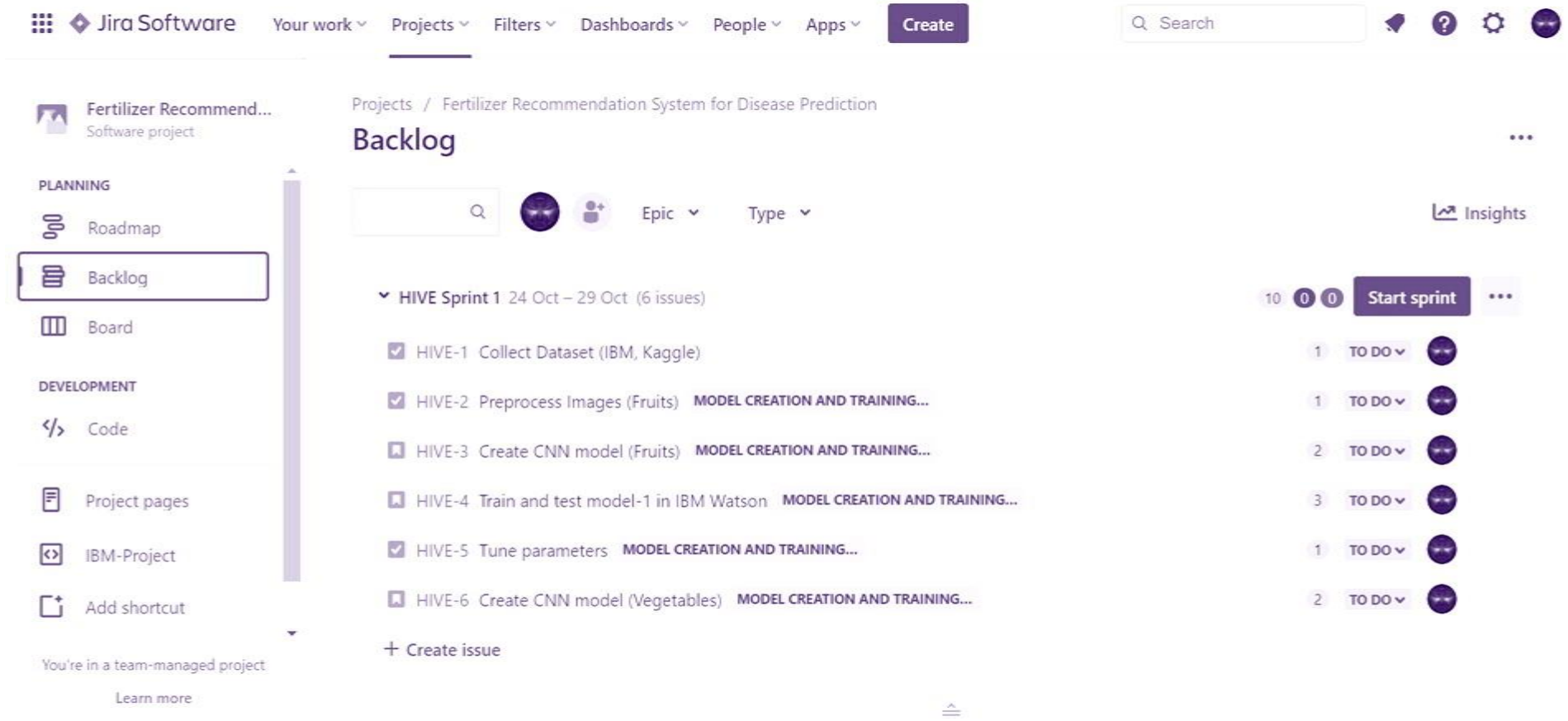
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	30 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	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 **Roadmap:**


OCT
NOV
Sprints
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:

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Create
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Fertilizer Recommend...
Software project
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Project pages
IBM-Project
Add shortcut
You're in a team-managed project
Learn more
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
Epic
Type
Insights
HIVE 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