

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

Date	18 October 2022
Team ID	PNT2022TMID35945
Project Name	Fertilizer Recommendation System for Disease Prediction
Maximum Marks	8 Marks

JIRA Project Details:

Key name: HIVE (Site: <https://project-bluehive.atlassian.net/browse/HIVE>)

Type: Scrum (Team managed)

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	JIRA Issue Number(s)	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Model Creation and Training (Fruits)		HIVE-1 to HIVE-5	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	Aadhitya A, Indu P, Siva Subetha R, Monika R, Aditya Narayanan B
	Model Creation and Training (Vegetables)		HIVE-6	Create a model which can classify diseased vegetable plants from given images	2	High	Aadhitya A, Indu P, Siva Subetha

Sprint	Functional Requirement (Epic)	User Story Number	JIRA Issue Number(s)	User Story / Task	Story Points (Total)	Priority	Team Members
							R, Monika R, Aditya Narayanan B
Sprint-2	Model Creation and Training (Vegetables)		HIVE-7,8,24	Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Aadhitya A, Indu P, Siva Subetha R, Monika R, Aditya Narayanan B
	Registration	USN-1	HIVE-10,11	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Aadhitya A, Indu P, Siva Subetha R, Monika R, Aditya Narayanan B
	Upload page	USN-2	HIVE-22	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Aadhitya A, Indu P, Aditya Narayanan B
	Suggestion results	USN-3	HIVE-22	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Aadhitya A, Indu P, Aditya

Sprint	Functional Requirement (Epic)	User Story Number	JIRA Issue Number(s)	User Story / Task	Story Points (Total)	Priority	Team Members
							Narayanan B
	Base Flask App		HIVE-9	A base Flask web app must be created as an interface for the ML model	2	High	Aadhitya A, Indu P, Siva Subetha R, Monika R, Aditya Narayanan B
Sprint-3	Login	USN-4	HIVE-26	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Monika R, Siva Subetha R
	User Dashboard	USN-5	HIVE-21	As a user, I can view the previous results and history	3	Low	-
	Integration		HIVE-13, 14	Integrate Flask, CNN model with Cloudant DB	5	Medium	Aadhitya A, Indu P, Siva Subetha R, Monika R, Aditya Narayanan B
	Containerization		HIVE-17	Containerize Flask app using Docker	2	Low	Aadhitya A
Sprint-4	Dashboard (Admin)	USN-6	HIVE-19	As an admin, I can view other user details and uploads for other purposes	2	Low	-

Sprint	Functional Requirement (Epic)	User Story Number	JIRA Issue Number(s)	User Story / Task	Story Points (Total)	Priority	Team Members
	Dashboard (Shopkeeper)	USN-7	HIVE-20	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	-
	Containerization		HIVE-25	Create and deploy Helm charts using Docker Image made before	2	Low	Aadhitya A

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	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	11 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	21 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	10	22 Nov 2022

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

Roadmap:



JIRA Site Screenshots:

The screenshot displays the Jira Software interface for a project named "Fertilizer Recommendation System for Disease Prediction". The main view is the "HIVE board", which is currently empty. A message in the "TO DO" column states: "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." The interface includes a sidebar with navigation options such as "Roadmap", "Backlog", and "Board". The top navigation bar shows the project name, a search bar, and various icons for navigation and settings. The browser's address bar shows the URL: "project-bluehive.atlassian.net/jira/software/projects/HIVE/boards/1".

Navigation Bar:

- Jira Software
- Your work ▾
- Projects ▾**
- Filters ▾
- Dashboards ▾
- People ▾
- Apps ▾
- Create
- Search
- ⚙️ ? ⚙️ 🔍

Left Sidebar:

- Fertilizer Recommend...
Software project
- PLANNING
 - Roadmap
 - Backlog
 - Board**
- DEVELOPMENT
 - Code
- Project pages
- IBM-Project
- Add shortcut
- You're in a team-managed project
- Learn more

Main Content Area:

Projects / Fertilizer Recommendation System for Disease Prediction

HIVE board

GROUP BY: None ▾

Columns:

- 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** ✓

Fertilizer Recommendation...
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

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Add shortcut

You're in a team-managed project

Learn more

Projects / Fertilizer Recommendation System for Disease Prediction

Backlog

Search Epic Type Insights

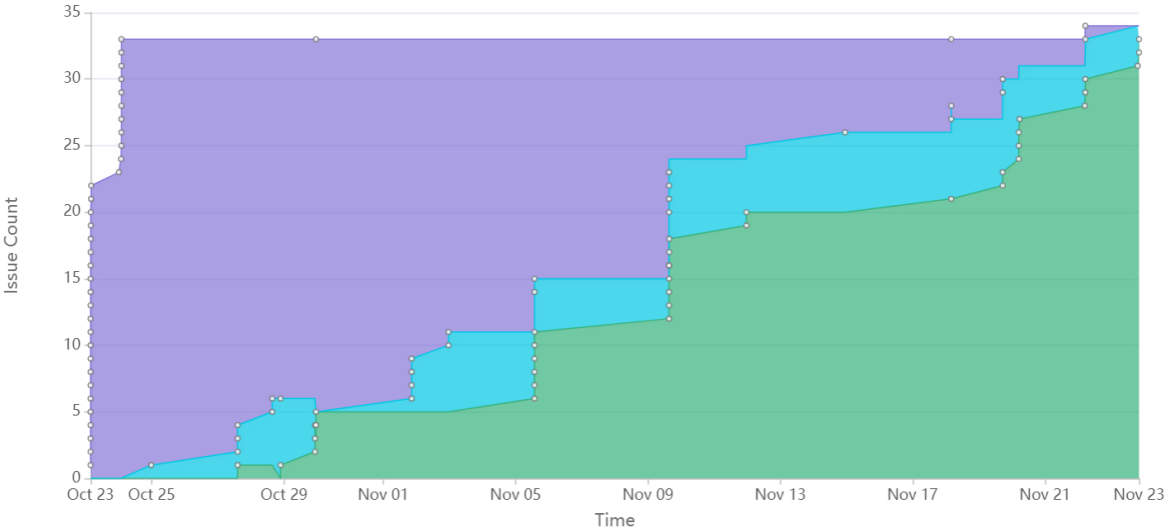
▼ HIVE Sprint 1 24 Oct – 29 Oct (6 issues) 10 0 0 Start sprint

✓ 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	

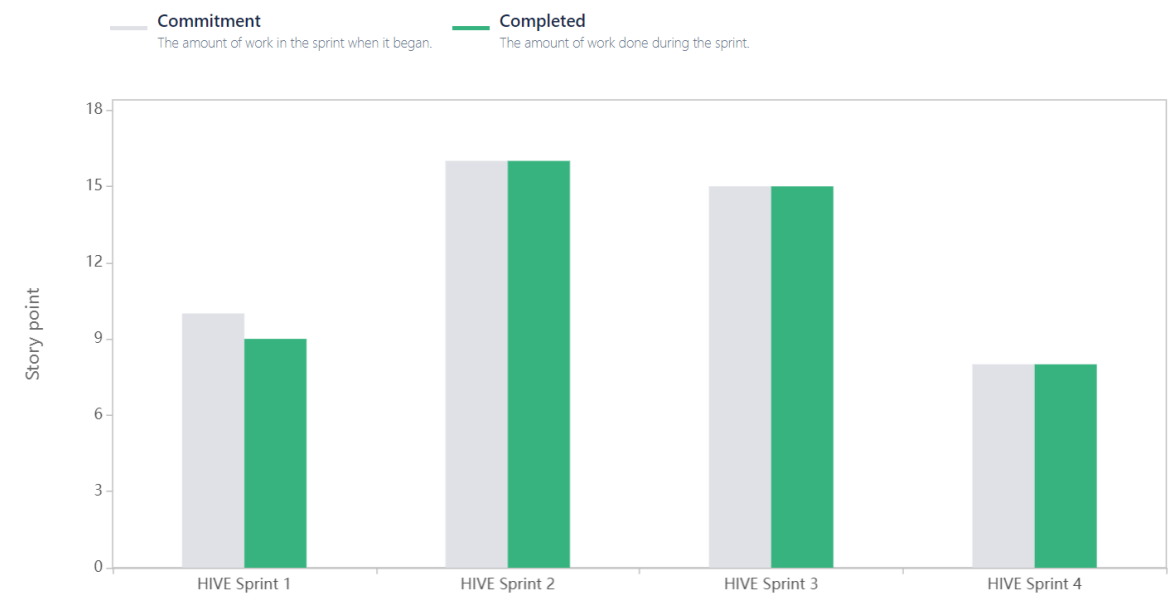
+ Create issue

Cummulative Flow Diagram

✓ To Do ✓ In Progress ✓ Done

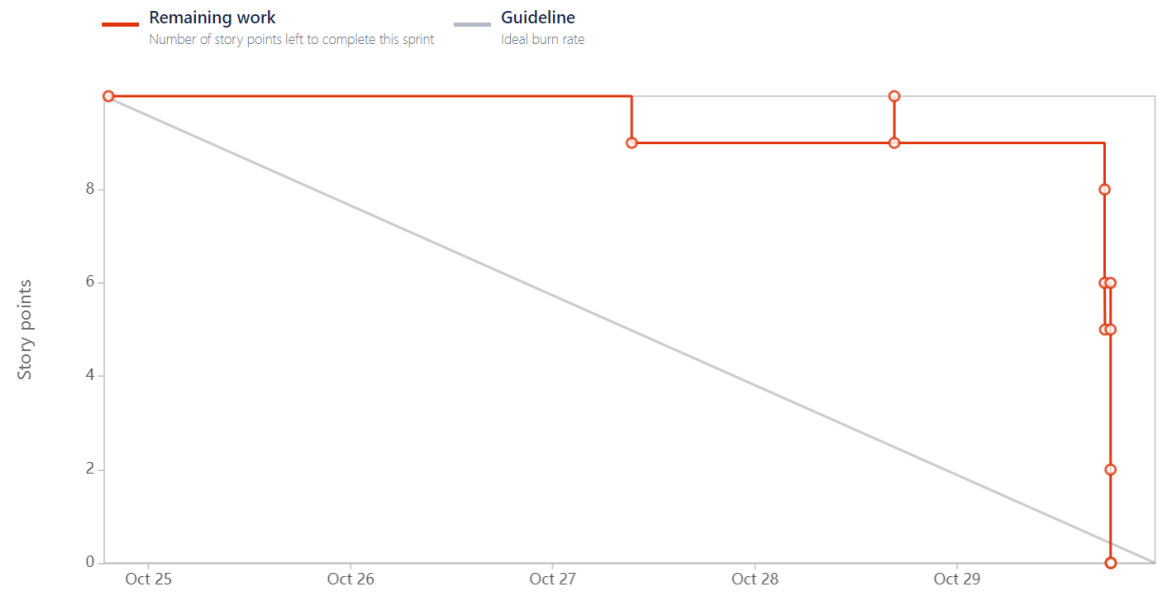


Velocity Chart

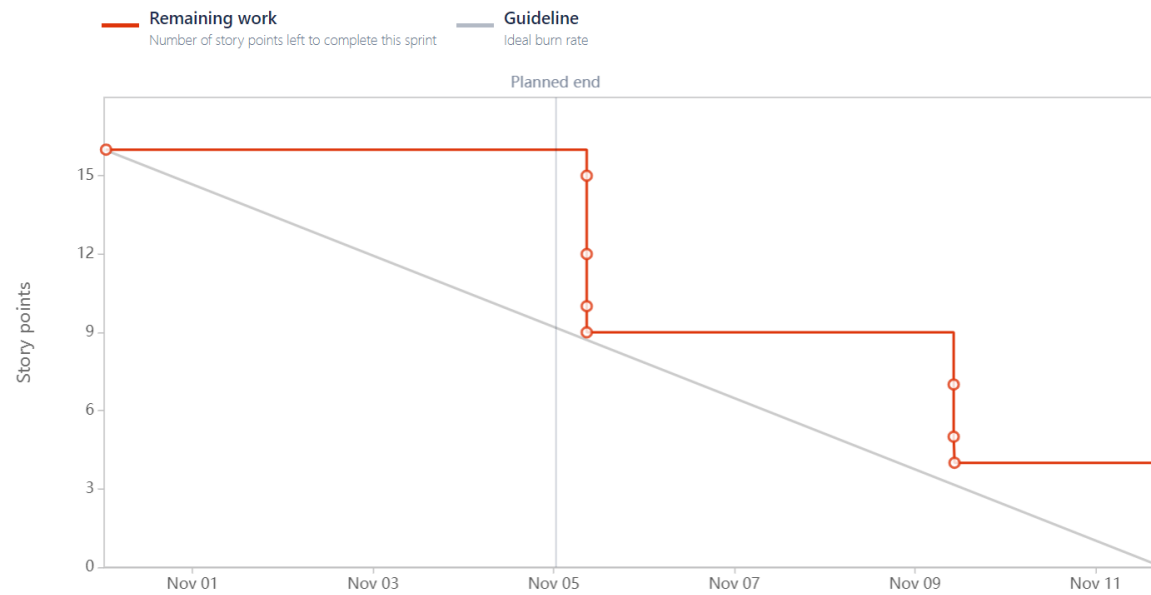


Sprint Burndown Charts

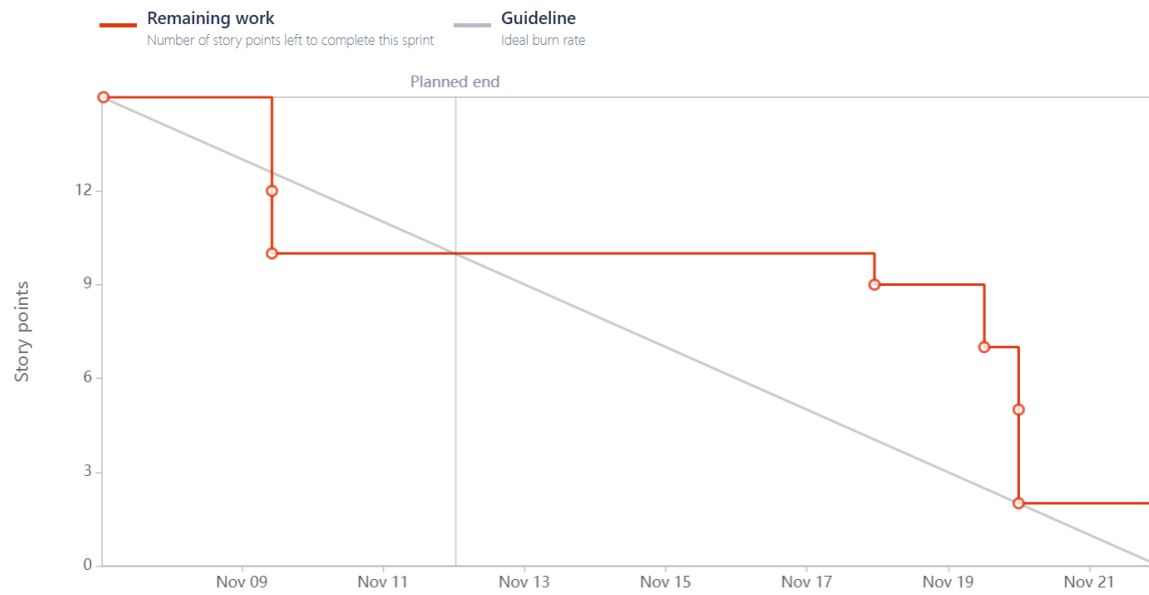
Sprint-1



Sprint-2



Sprint-3



Sprint-4

