

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 R, Monika R, Aditya Narayanan B

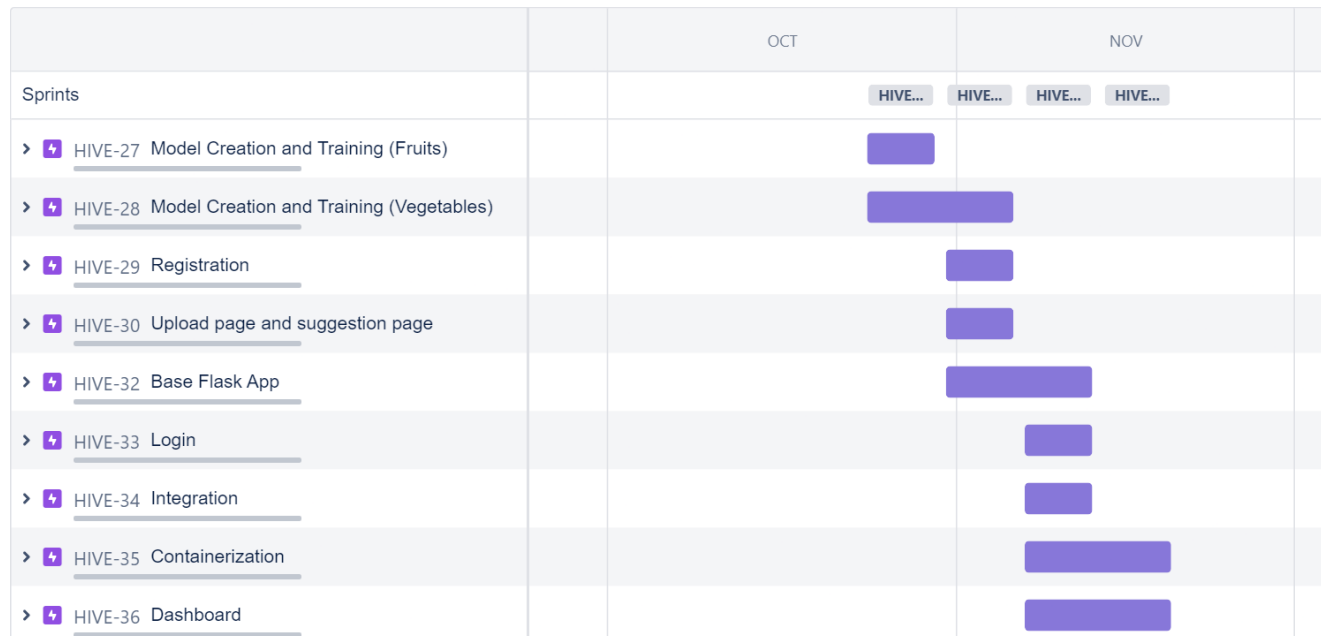
Sprint	Functional Requirement (Epic)	User Story Number	JIRA Issue Number(s)	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)		HIVE-7,8,24	Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	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	TBD
	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	TBD
	Base Flask App		HIVE-9	A base Flask web app must be created as an interface for the ML model	2	High	TBD
Sprint-3	Login	USN-4	HIVE-26	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	TBD
	User Dashboard	USN-5	HIVE-21	As a user, I can view the previous results and history	3	Medium	TBD
	Integration		HIVE-13, 14	Integrate Flask, CNN model with Cloudant DB	5	Medium	TBD
	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	Medium	TBD
	Dashboard (Shopkeeper)	USN-7	HIVE-20	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	TBD
	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-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:



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 left sidebar with navigation options (Roadmap, Backlog, Board, Code, Project pages, IBM-Project, Add shortcut) and a top navigation bar with tabs for Projects, Filters, Dashboards, People, and Apps. The browser 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
- Help
- Settings
- Profile

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 ▾

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 System for Disease Prediction
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

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Add shortcut

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[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