

## Project Planning Phase

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

Date	1 November 2022.
Team ID	PNT2022TMID31104
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	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	MAJID MD SALMAN MD SATHEESH R KALANIDHI M

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points (Total)</b>	<b>Priority</b>	<b>Team Members</b>
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	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	MAJID MD SALMAN MD SATHEESH R KALANIDHI M

	Containerization		Containerize Flask app using Docker	2	Low	MAJID MD SALMAN MD SATHEESH R KALANIDHI M
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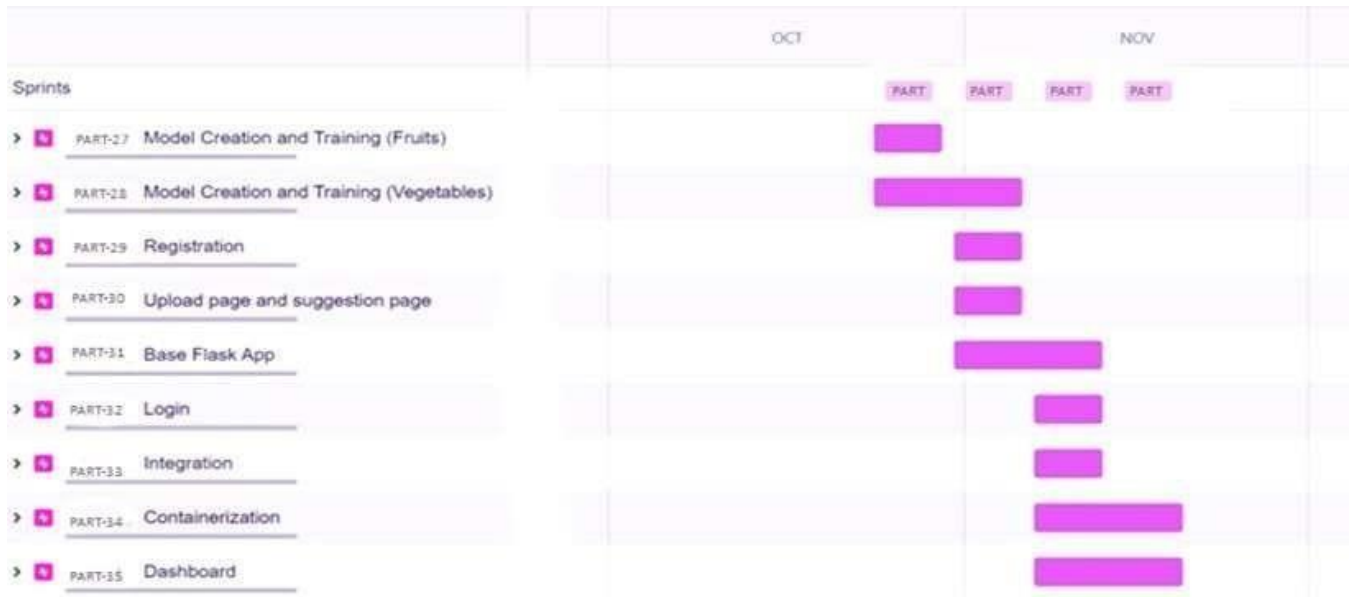
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	MadheshWaran SK, Justin Jegan J, Selvakumar K, Sathish M.
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	MadheshWaran SK , Justin Jegan J, Selvakumar K, Sathish M.
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	MadheshWaran SK, Justin Jegan J, Selvakumar K, Sathish M.

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

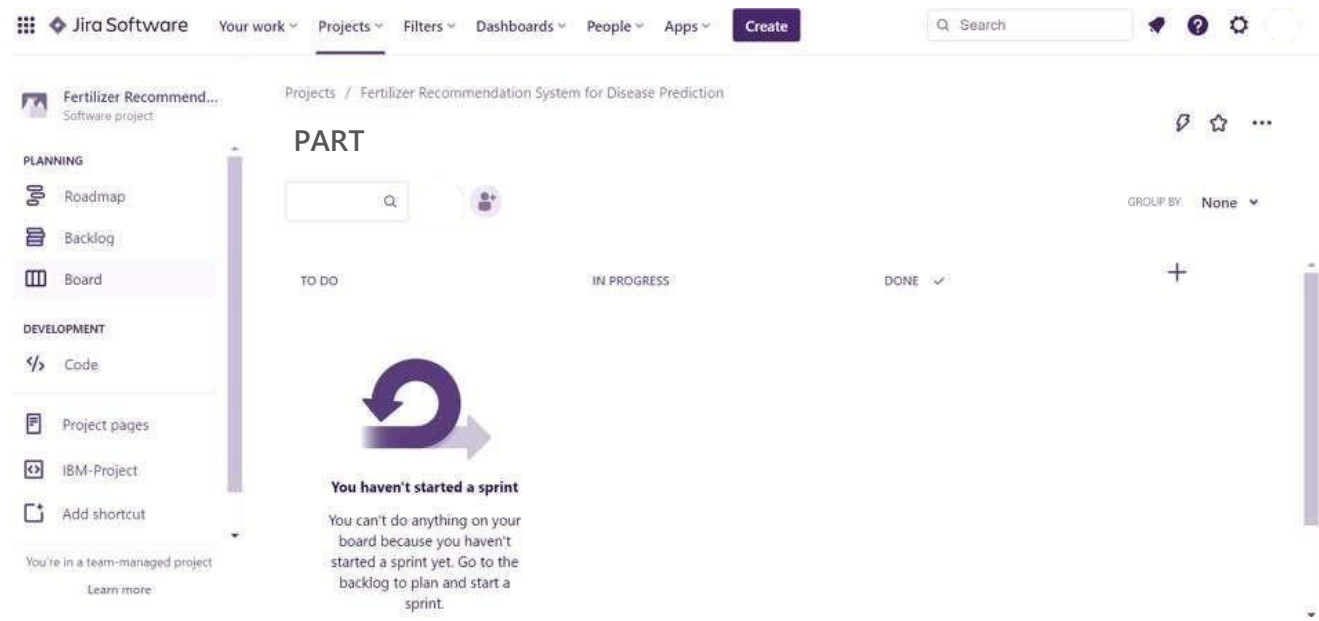
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	26 Oct 2022	1 Nov 2022	10	1 Nov 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	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:



Screenshots:



Fertilizer Recommendation System for Disease Prediction  
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

IBM-Project

Add shortcut

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Projects / Fertilizer Recommendation System for Disease Prediction

## Backlog

Search Epic Type

Insights

Sprint 1 24 Oct – 29 Oct (6 issues)

- ☒ 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

10 0 0 Start sprint

- |   |       |  |
|---|-------|--|
| 1 | TO DO |  |
| 1 | TO DO |  |
| 2 | TO DO |  |
| 3 | TO DO |  |
| 1 | TO DO |  |
| 2 | TO DO |  |