

## Project Planning Phase

### Project Planning Template

(Product Backlog, Sprint Planning, Stories, Story Points)

Date	25 October 2022
Team ID	PNT2022TMID17868
Project Name	Fertilizers 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)		Develop a model that can identify sick fruit trees from photos. I also need to put the model on IBM Cloud and test it.	8	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Model Creation and Training (Vegetables)		Develop a model that can identify sick vegetable plants from images.	2	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B

<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)		Make a model that can be trained on the IBM Cloud to identify diseased vegetable plants from provided images.	6	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Registration	USN-1	I can sign up as a user by providing my email, password, and password confirmation, or by using the OAuth API.	3	Medium	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Upload Page	USN-2	I will be taken to a place where I can upload my photographs of crops as a user.	4	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Suggestion results	USN-3	As a user, I may observe the outcomes and then get the recommendations the ML model offers.	4	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Base Flask App		I may view the results as a user and then get the recommendations	2	High	Harini S, Ashifa A, Balavishnu

			the ML model offers.			T, Akshay Guhan B
Sprint-3	Login	USN-4	I can access the application as a user, administrator, or shopkeeper by providing my email and password.	2	High	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Integration		Integrate Flask, CNN Model with Cloudant DB	5	Medium	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
	Containerization		Containerize Flask app using Docker	2	Low	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
Sprint-4	Dashboard (Admin)	USN-6	I can examine other user information and uploads for various purposes as an admin.	2	Medium	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B

	Dashboard (Shopkeeper)	USN-7	I can enter fertilizer goods as a shop owner and amend any details later.	2	Low	Harini S, Ashifa A, Balavishnu T, Akshay Guhan B
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### 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 the end of sprints*

# Roadmap

