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

Date	25 October 2022
Team ID	PNT2022TMID13366
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)		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	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Model Creation and Training (Vegetables)		Develop a model that can identify sick vegetable plants from photographs.	2	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi.

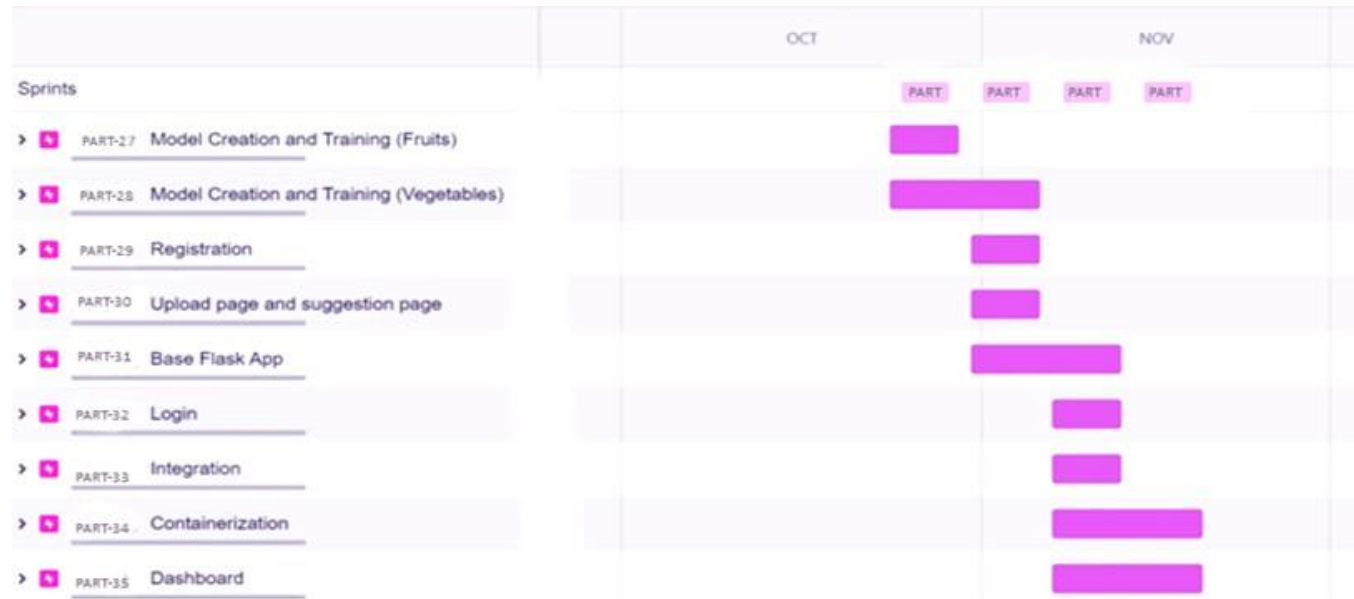| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)		Make a model that can be trained on the IBM Cloud to identify sick vegetable plants from provided photos.	6	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Registration	USN-1	I can sign up as a user by providing my email, password, and a password confirmation, or by using the OAuth API.	3	Medium	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Upload page	USN-2	I can sign up as a user by providing my email, password, and a password confirmation, or by using the OAuth API.	4	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Suggestion results	USN-3	I may observe the outcomes and then get the recommendations the ML model offers as a user.	4	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Base Flask App		I may observe the outcomes and then get the recommendations the ML model offers as a user.	2	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
Sprint-3	Login	USN-4	I can access the application as a user, administrator, or shopkeeper by providing my email and password.	2	High	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Integration		Integrate CNN model and Flask with Cloudant DB.	5	Medium	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Containerization		Plugin Flask app containerization	2	Low	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi

Sprint-4	Dashboard (Admin)	USN-6	I can examine other user information and uploads for various purposes as an admin.	2	Medium	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Dashboard (Shopkeeper)	USN-7	I can enter fertiliser goods as a shop owner and amend any details later.	2	Low	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi
	Containerization		Using a previously created Docker image, create and deploy Helm charts.	2	Low	Sruthi, Subashini, Sundhardharshini, Vijaykirubagiri, Arullakshmi

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:

Sprints	OCT		NOV	
		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:

Fertilizer Recommend...   Pre.int* ,"" Fertilizer I2zcornaer.daticn System fcr Oisease Prediction

Backlog

-   Road map

☰ Backlog

|@ Board

</> Code

-   Project *pages*

*fl IBM-Project

    Add shortcut

¥'o-u're in a team- managed oroject

Q   👤+   Epic •   Type •   Insights

^   Sprint 1 24 Oct — ?° Oct i'6 issucs,i   10 ⓪ ⓪ **Start sprint**

☑   Collect DaraseL (IB M. Kaggle}   TO DO ⌄

☑   Preprocess Images (fruits}   CB¥ATtONAND T¥LfiJNING--   TO DO ⌄

🔖   Create ANN model (Fruits} ^*0 BC4EA   MD   MW-•   2   TO DO ⌄

🔖   Train and test model-1 in IBM Watson hK•0•.€AMTX•N WD   f¥   -   3   TO DO ⌄

☑   Tune parameters   CREATION MD TBAf¥€ING...   TO DO ⌄

🔖   Create -CNN model Vegetables) ———   *   --   2   TO DO ⌄

-I- Create issue