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

Date	25 October 2022
Team ID	PNT2022TMID52565
Project Name	Fertilizer Recommendation System for DiseasePrediction
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 Creationand Training (Fruits)	USN1	Create a model which can classify diseased fruitplants from given images. I also need to test themodel and deploy it on IBM Cloud	8	High	ESHA A
Sprint-1	Model Creationand Training (Vegetables)	USN2	Create a model which can classify diseased vegetable plants from given images	2	High	KOUSIKA M

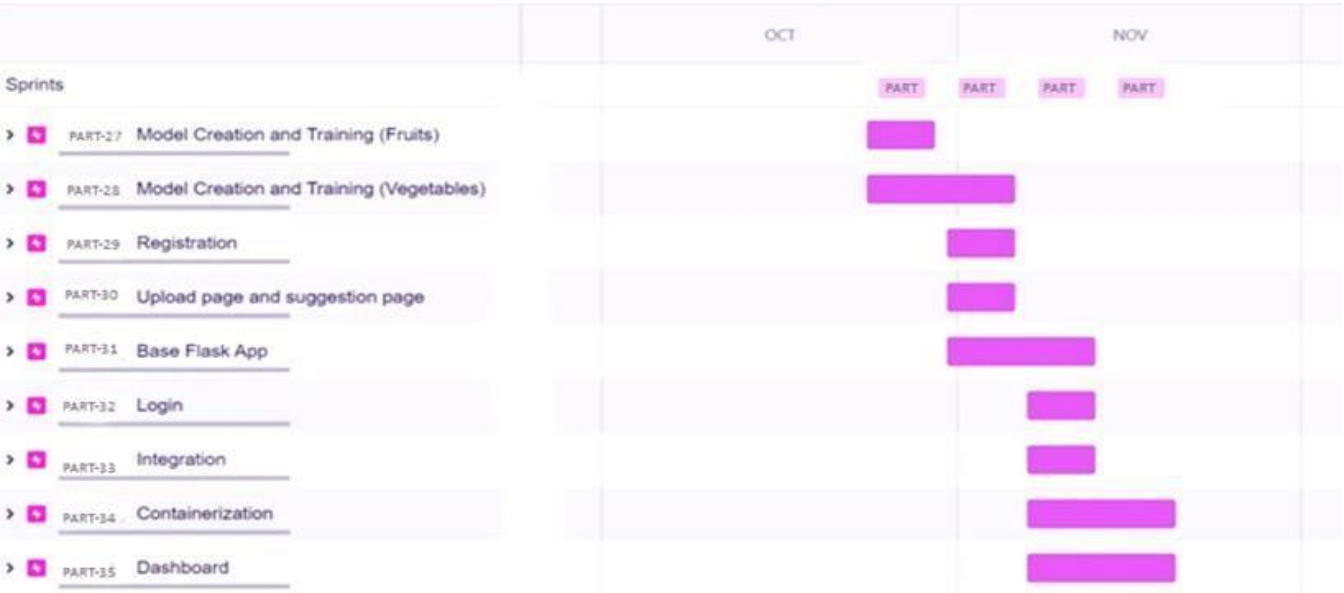| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creationand Training (Vegetables)	USN3	Create a model which can classify diseased vegetable plants from given images and train onIBM Cloud	6	High	SHUBASHINI J
Sprint-2	Registration	USN4	As a user, I can register by entering my email, password, and confirming my password or viaOAuth API	3	Medium	ASIYA BEGAM M
Sprint-2	Upload page	USN5	As a user, I will be redirected to a page where Ican upload my pictures of crops	4	High	ESHA A
Sprint-2	Suggestion results	USN6	As a user, I can view the results and then obtainthe suggestions provided by the ML model	4	High	KOUSIKA M
Sprint-2	Base Flask App	USN6	A base Flask web app must be created as an interface for the ML model	2	High	SHUBASHINI J
Sprint-3	Login	USN7	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	ASIYA BEGAM M
Sprint-3	User Dashboard	USN8	As a user, I can view the previous results andhistory	3	Medium	ESHA A
Sprint-3	Integration	USN9	Integrate Flask, CNN model with Cloudant DB	5	Medium	KOUSIKA M

Sprint-3	Containerization	USN10	Containerize Flask app using Docker	2	Low	SHUBASHINI J

Sprint-4	Dashboard (Admin)	USN11	As an admin, I can view other user details and uploads for other purposes	2	Medium	ASIYA BEGAM M
Sprint-4	Dashboard (Shopkeeper)	USN12	As a shopkeeper, I can enter fertilizer productsand then update the details if any	2	Low	ESHA A
Sprint-4	Containerization	USN13	Create and deploy Helm charts using Docker Image made before	2	Low	KOUSIKA 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	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

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...
Software project

PLANNING

☰ Roadmap

🗄 Backlog

⬚ Board

DEVELOPMENT

</> Code

📄 Project pages

⟨⟩ IBM-Project

⌷ Add shortcut

You're in a team-managed project

Learn more

Backlog   • • •

🔍   👤⁺   Epic ⌄   Type ⌄   📈 Insights

⌄   **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