

Project Planning Phase

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

Date	25October2022
TeamID	PNT2022TMID30525
ProjectName	Fertilizer Recommendation System for DiseasePrediction
MaximumMarks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:(4Marks)

Sprint	Functional Requirement (Epic)	UserStoryNumber	UserStory/Task	Story Points(Total)	Priority	TeamMembers
Sprint-1	Collection of Dataset		Collecting all the required dataset that are used to train and test the model	4	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Model Creationand Training(Fruits)		Createamodelwhichcanclassifydiseasedfruit plants from healthyplants from the images. I also need to test themodelanddeployitonIBMCloud.	4	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Model Creationand Training(Vegetables)		Createamodelwhichcan classifydiseasedvegetable plantsfrom healthy plants from the given images and also testing the model by deploying it in IBM Cloud.	4	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Training and testing in IBM Cloud		Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via Auth API	3	Medium	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Upload page	USN-2	As a user, I will be redirected to a page where I can select based on my requirement whether to upload my pictures of crops for disease predication or entering my soil details for crop recommendation or fertilizer recommendation.	4	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Base Flask App		A base Flask web app must be created as an interface for the ML model to interact.	2	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
						Manju.V

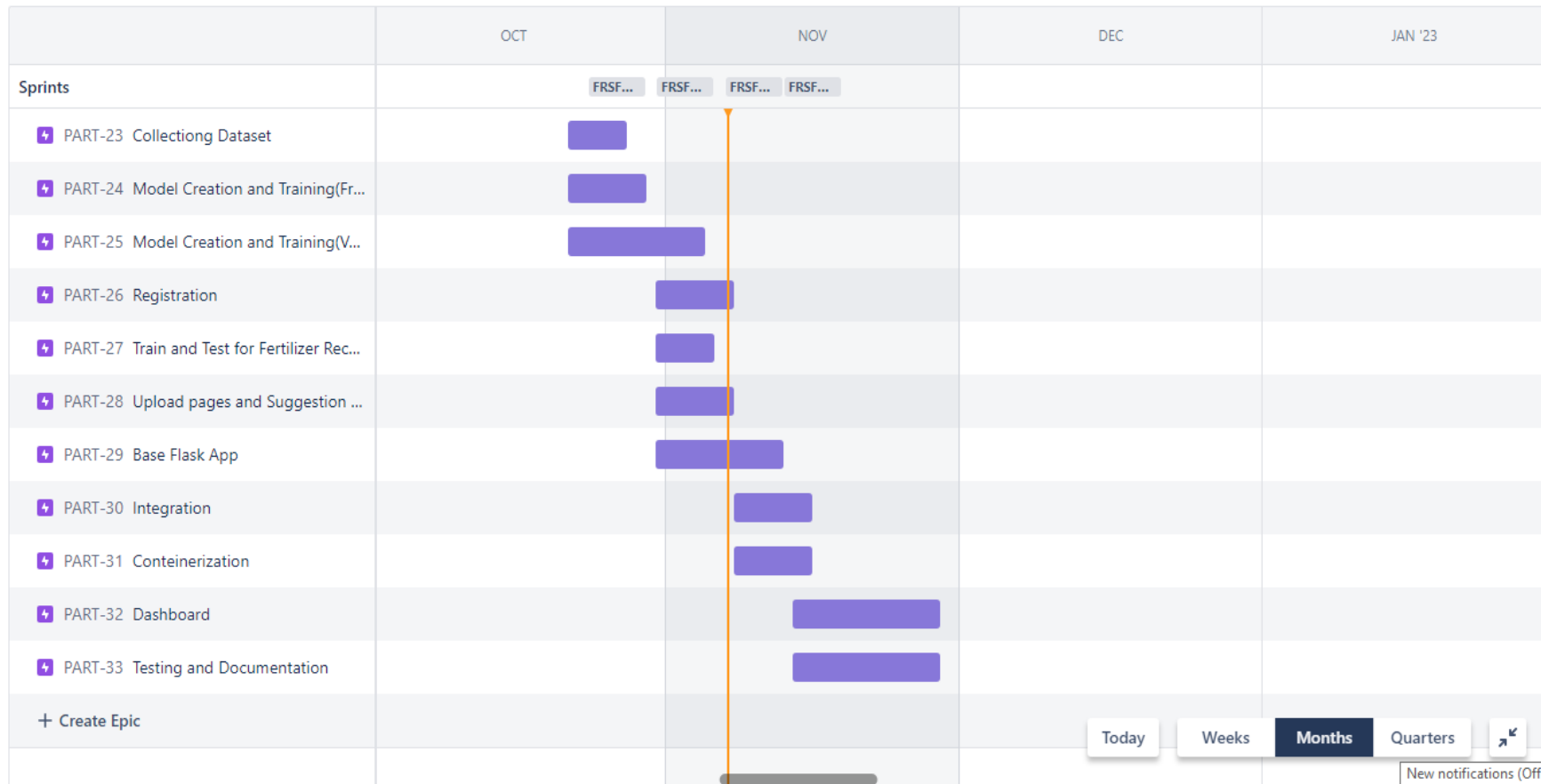
	UserDashboard	USN-5	As a user, I can view the previous results and history which saves the user's time.	3	Medium	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Integration		Integrate Flask, CNN model with Cloud and Database.	5	Medium	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Containerization		Containerize Flask app using Docker	5	Low	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
Sprint-4	Testing and Documentation		Finally the project is tested and further improvements are made based on user feedback. Documentation is also made in order to make better user experience.	4	Medium	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Dashboard	USN-6	As a shopkeeper, I can enter fertilizer products and then update the details if any	4	Low	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V
	Containerization		Create and deploy Helm charts using Docker Image made before.	2	Low	Akalya.S, Devika.P, Dhivyadharshini.S, Manju.V

Project Tracker, Velocity & Burn down Chart:(4Marks)


Sprint	TotalStoryPoints	Duration	SprintStartDate	SprintEndDate(Planned)	Story PointsCompleted(as on PlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	10	6 Days	24 Oct 2022	29Oct2022	10	30 Oct 2022
Sprint-2	15	6 Days	31Oct 2022	05Nov2022	15	07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12Nov2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19Nov2022	10	20 Nov 2022

NOTE: Burndown charts,Velocity to be updated dynamically after end of sprint


Roadmap:





Screenshots:

 Fertilizer Recommend...
Software project


PLANNING


 Roadmap


 Backlog


 Board


DEVELOPMENT

 Code

 Project pages

 IBM-Project-15473-165...



 Add shortcut

 Project settings

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FRSFDP 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.


Go to Backlog

IN PROGRESS

DONE ✓





Sprint 1:




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Backlog

AS



Epic ▾

Type ▾

Insights

▼ FRSFDP Sprint 1 24 Oct – 29 Oct (5 issues)

9 0 0

Start sprint


...

Preprocessing the image and Training the model

☒ PART-1 Collecting Dataset(Kaggle,IBM)

1


TO DO ▾



☒ PART-2 Preprocessing the image(FRUITS)MODEL CREATION AND TRAINING

2


TO DO ▾



☐ PART-3 Preprocessing the image(VEGETABLES)MODEL CREATION AND TRAINING

2


TO DO ▾



☒ PART-4 Creating CNN Model (FRUITS)(MODEL CREATION AND TRAINING)

2


TO DO ▾



☐ PART-10 Creating CNN Model(VEGETABLES)(MODEL CREATION AND TRAINING)


2

TO DO ▾





+ Create issue


Sprint 2:

 **Fertilizer Recommend...**
Software project


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Insights

▼ FRSFDP Sprint 2 31 Oct – 5 Nov (5 issues)


12 0 0 Start sprint ▾

TRAINING AND TESTING THE MODEL IN IBM WATSON CLOUD AND CREATING USER INTERFACE.

☒ PART-12 Train and Test Model in IBM Cloud

2


TO DO ▾




☒ PART-13 Registration for unauthorized Users

1


TO DO ▾




 PART-14 Train and Test model for Fertilizer Recommendation

2


TO DO ▾




 PART-15 Uploading image and getting Suggestions

4


TO DO ▾



 PART-16 Base Flask App


3

TO DO ▾





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Sprint 3:

 **Fertilizer Recommend...**
Software project


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 Insights

 PART-16 Base Flask App

3 TO DO ▾ 


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▼ **FRSFDSP Sprint 3** 7 Nov – 12 Nov (3 issues)


10 0 0 [Start sprint](#) 

CREATING USER DASHBOARD AND INTEGRATING THE MODEL WITH FLASK


☒ PART-17 Creating user interface using HTML and CSS(Bootstrap)

3 TO DO ▾ 

☒ PART-18 Integration the Model and the Flask App

5 TO DO ▾ 

☒ PART-19 Containerization

2 TO DO ▾ 

[+ Create issue](#)

Sprint 4:

Jira Software

Your work

Projects

Filters

Dashboards

People

Apps

Create

Search

AS

Fertilizer Recommend...

Software project

PLANNING

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Backlog

AS

Epic

Type

Insights

FRSFDP Sprint 4

13 Nov – 18 Nov

(3 issues)

1000

Start sprint

USER ACCEPTANCE TESTING ,DEPLOYMENT AND DOCUMENTATION

✓

PART-20 Testing

3

TO DO

✓

PART-21 Deployment

3

TO DO

✓

PART-22 Documentation

4

TO DO

+ Create issue

Backlog

(0 issues)

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Create sprint

Your backlog is empty.

+ Create issue

