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

Date	18 October 2022
Team ID	PNT2022TMID21501
Project Name	Fertilizers recommendation system for disease prediction
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dataset analysis and preprocessing of data (Fruits dataset)		Download the dataset and examine the dataset and preprocess the dataset given on fruits dataset	5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
	Dataset analysis and preprocessing of data (Vegetable dataset)		Download the dataset and examine the dataset and preprocess the dataset given on vegetable dataset	5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
Sprint-2	Model creation which can classify diseased fruit plants from given images.(Fruits dataset)		Create a model which can classify diseased fruit plants from given images.(Fruits dataset)	7.5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
	Model creation which can classify diseased fruit plants from given images.(Vegetables dataset)		Create a model which can classify diseased fruit plants from given images.(Fruits dataset)	7.5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
Sprint-3	Train Vegetable model on IBM Watson Studio		Login to IBM watson and download the ipynb file and upload and train it	2.5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
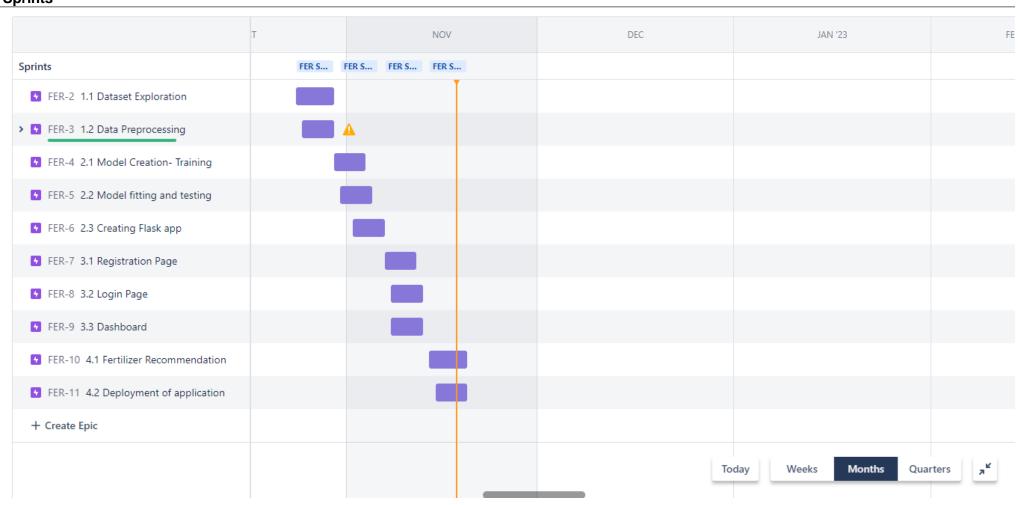
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Train Vegetable model on IBM Watson Studio		Login to IBM watson and download the ipynb file and upload and train it	2.5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
	Upload a photo and check if the predicted value is true		As a user, I can access the application and upload the images of crops and get my fertilizer recommended	5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
	Flask app creation		A base Flask web app must be created as an interface for the ML model	5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
Sprint-4	Recommended Fertilizer		As per the disease predicted the application should display the recommended fertilizer	5	High	Ishwarya,Juhi Padmaja, Jayasree, Reshma
	Containerization/ Hosting of application		Containerize the application and create a docker image or host the application on IBM Cloud	5	Medium	Ishwarya,Juhi Padmaja, Jayasree, Reshma
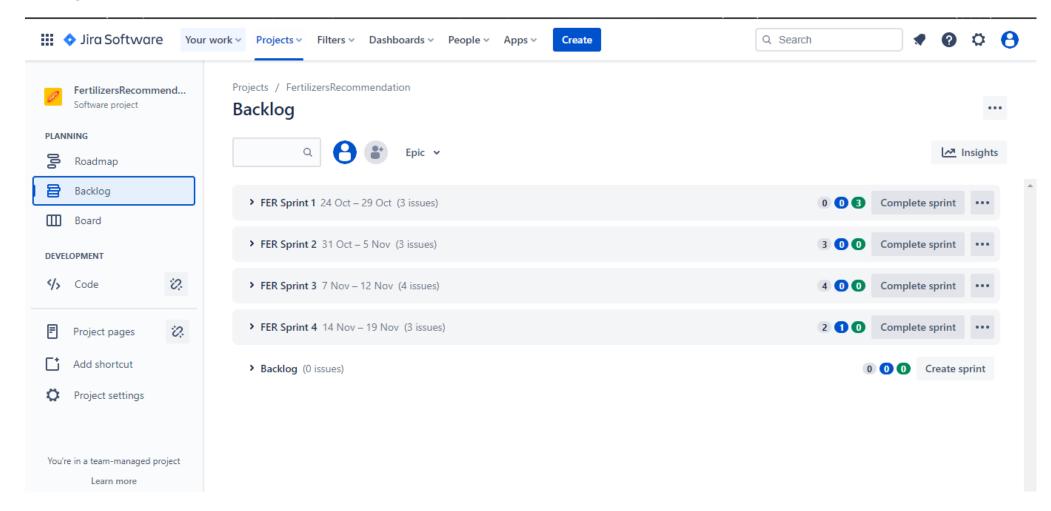
Project Tracker, Velocity & Burndown Chart: (4 Marks)
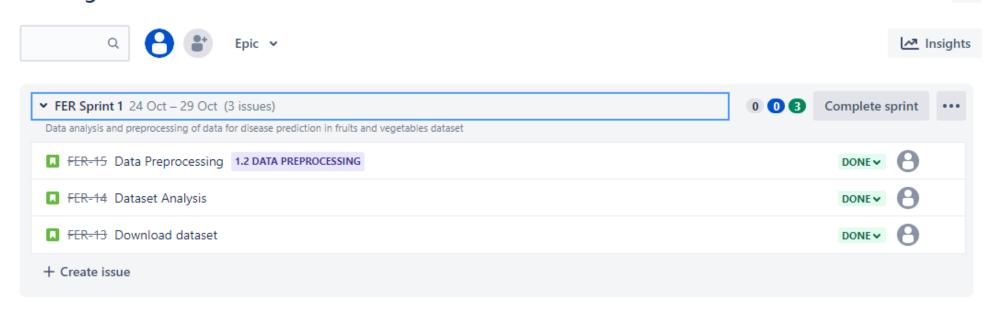
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022		2 Nov 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022		06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		20 Nov 2022
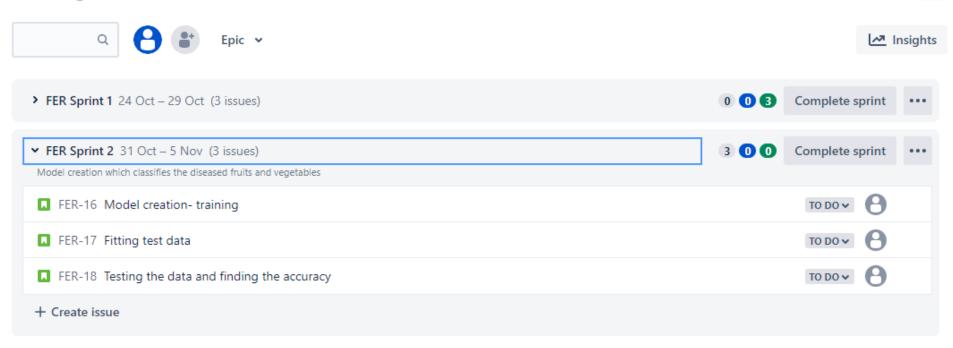
**Burndown charts and velocity is yet to be updated (after completion of sprints)

Roadmap:
 Sprints

Sprints	T	NOV	DEC	JAN '23	FE
	FER S... FER S... FER S... FER S...				
⚡ FER-2 1.1 Dataset Exploration	▮				
› ⚡ FER-3 1.2 Data Preprocessing	▮ ⚠				
⚡ FER-4 2.1 Model Creation- Training	▮				
⚡ FER-5 2.2 Model fitting and testing	▮				
⚡ FER-6 2.3 Creating Flask app	▮				
⚡ FER-7 3.1 Registration Page		▮			
⚡ FER-8 3.2 Login Page		▮			
⚡ FER-9 3.3 Dashboard		▮			
⚡ FER-10 4.1 Fertilizer Recommendation		▮			
⚡ FER-11 4.2 Deployment of application		▮			
+ Create Epic					

Today Weeks **Months** Quarters

Backlog:

Backlog

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🔍 [search]   👤 👤+   Epic ⌄

📈 Insights

⌄ **FER Sprint 1** 24 Oct – 29 Oct (3 issues)   0 ⓪ ③ **Complete sprint** ...

Data analysis and preprocessing of data for disease prediction in fruits and vegetables dataset

🔖 ~~FER-15~~ Data Preprocessing **1.2 DATA PREPROCESSING**   DONE ⌄ 👤

🔖 ~~FER-14~~ Dataset Analysis   DONE ⌄ 👤

🔖 ~~FER-13~~ Download dataset   DONE ⌄ 👤

+ Create issue

Backlog

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Epic ⌄

📈 Insights

> **FER Sprint 1** 24 Oct – 29 Oct (3 issues)   0 0 3   Complete sprint ...

⌄ **FER Sprint 2** 31 Oct – 5 Nov (3 issues)   3 0 0   Complete sprint ...

Model creation which classifies the diseased fruits and vegetables

🔖	FER-16 Model creation- training	TO DO ⌄	👤
🔖	FER-17 Fitting test data	TO DO ⌄	👤
🔖	FER-18 Testing the data and finding the accuracy	TO DO ⌄	👤

+ Create issue

Backlog

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Epic ⌄

📈 Insights

⌄ **FER Sprint 3** 7 Nov – 12 Nov (4 issues) 4 0 0 **Complete sprint** ...

Creating a flask application by including registration page, login page and dashboard

🔖 FER-19 Starting with flask application	TO DO ⌄
🔖 FER-20 Registration Page	TO DO ⌄
🔖 FER-21 Login Page	TO DO ⌄
🔖 FER-22 Dashboard creation and integration of the application	TO DO ⌄

➕ Create issue

Backlog

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> **FER Sprint 3** 7 Nov – 12 Nov (4 issues)   4 0 0 | Complete sprint | ···

⌄ **FER Sprint 4** 14 Nov – 19 Nov (3 issues)   2 1 0 | Complete sprint | ···

The application should display the fertilizers as recommendation for the disease predicted in the fruits or vegetables. The application should be containerized and the docker image is created or the applicat...

🔖 FER-23	Fertilizer Recommendation	TO DO ⌄	👤
🔖 FER-24	Deployment of the application	IN PROGRESS ⌄	👤
🔖 FER-25	Testing the application	TO DO ⌄	👤

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Data analysis an...

0 0 3   Complete sprint   ···

FER-15   DONE⌄

FER-14   DONE⌄

FER-13   DONE⌄

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Edit sprint: FER Sprint 1

Sprint name *

FER Sprint 1

Start date *

| 10/24/2022 | 11:35 PM | ⊗ |

End date *

| 10/29/2022 | 3:00 AM | ⊗ |

Sprint goal

Data analysis and preprocessing of data for disease prediction in fruits and vegetables dataset

Update   Cancel

FER Sprint   3 0 0   Complete sprint   ···

FER Sprint 3 7 Nov – 12 Nov (4 issues)   4 0 0   Complete sprint   ···

FER Sprint 4 14 Nov – 19 Nov (3 issues)   2 1 0   Complete sprint   ···

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Edit sprint: FER Sprint 2

Sprint name *

FER Sprint 2

Start date *

10/31/2022   11:37 PM   ⊗

End date *

11/5/2022   3:30 AM   ⊗

Sprint goal

Model creation which classifies the diseased fruits and vegetables

Update   Cancel

> FER Sprint   0 0 3   Complete sprint   ...

⌄ FER Sprint   3 0 0   Complete sprint   ...
Model creation

🔖 FER-16   TO DO ∨   👤

🔖 FER-17   TO DO ∨   👤

🔖 FER-18   TO DO ∨   👤

➕ Create iss

> FER Sprint 3 7 Nov – 12 Nov (4 issues)   4 0 0   Complete sprint   ...

⌄ FER Sprint 4 14 Nov – 19 Nov (3 issues)   2 1 0   Complete sprint   ...

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∨ FER Sprint
  The application

  FER-23

  FER-24

  FER-25

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0 0 3   Complete sprint

3 0 0   Complete sprint

4 0 0   Complete sprint

2 1 0   Complete sprint

TO DO ∨

IN PROGRESS ∨

TO DO ∨

Edit sprint: FER Sprint 4

Sprint name *

FER Sprint 4

Start date *

| 11/14/2022 | 11:03 PM | ⊗ |

End date *

| 11/19/2022 | 2:00 AM | ⊗ |

Sprint goal

The application should display the fertilizers as recommendation for the disease predicted in the fruits or vegetables. The application should be containerized and the docker image is created or the application is hosted on IBM cloud.

Update   Cancel

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FER Sprint 1

0 days remaining | **Complete sprint** | ...

Data analysis and preprocessing of data for disease prediction in fruits and vegetables dataset

Epic ∨ | Sprint **1** ∨ | Clear filters

GROUP BY | None ∨ | Insights

TO DO	IN PROGRESS	DONE 3 OF 3 ISSUES ✓
		Data Preprocessing **1.2 DATA PREPROCESSING** ▣ FER-15 ✓
		Dataset Analysis ▣ FER-14 ✓
		Download dataset ▣ FER-13 ✓