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, Dhivyadharshni.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, Dhivyadharshni.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, Dhivyadharshni.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, Dhivyadharshni.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, Dhivyadharshni.S, Manju.V
	Uploadpage	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, Dhivyadharshni.S, Manju.V
	Suggestionresults	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, Dhivyadharshni.S, Manju.V
	BaseFlaskApp		A base Flask web app must be created as an interface for the ML model to interact.	2	High	Akalya.S, Devika.P, Dhivyadharshni.S, Manju.V
	Login	USN-4	As a user/admin/shopkeeper, can log into the application by entering email & password	2	High	Akalya.S, Devika.P, Dhivyadharshni.S,
						Manju.V

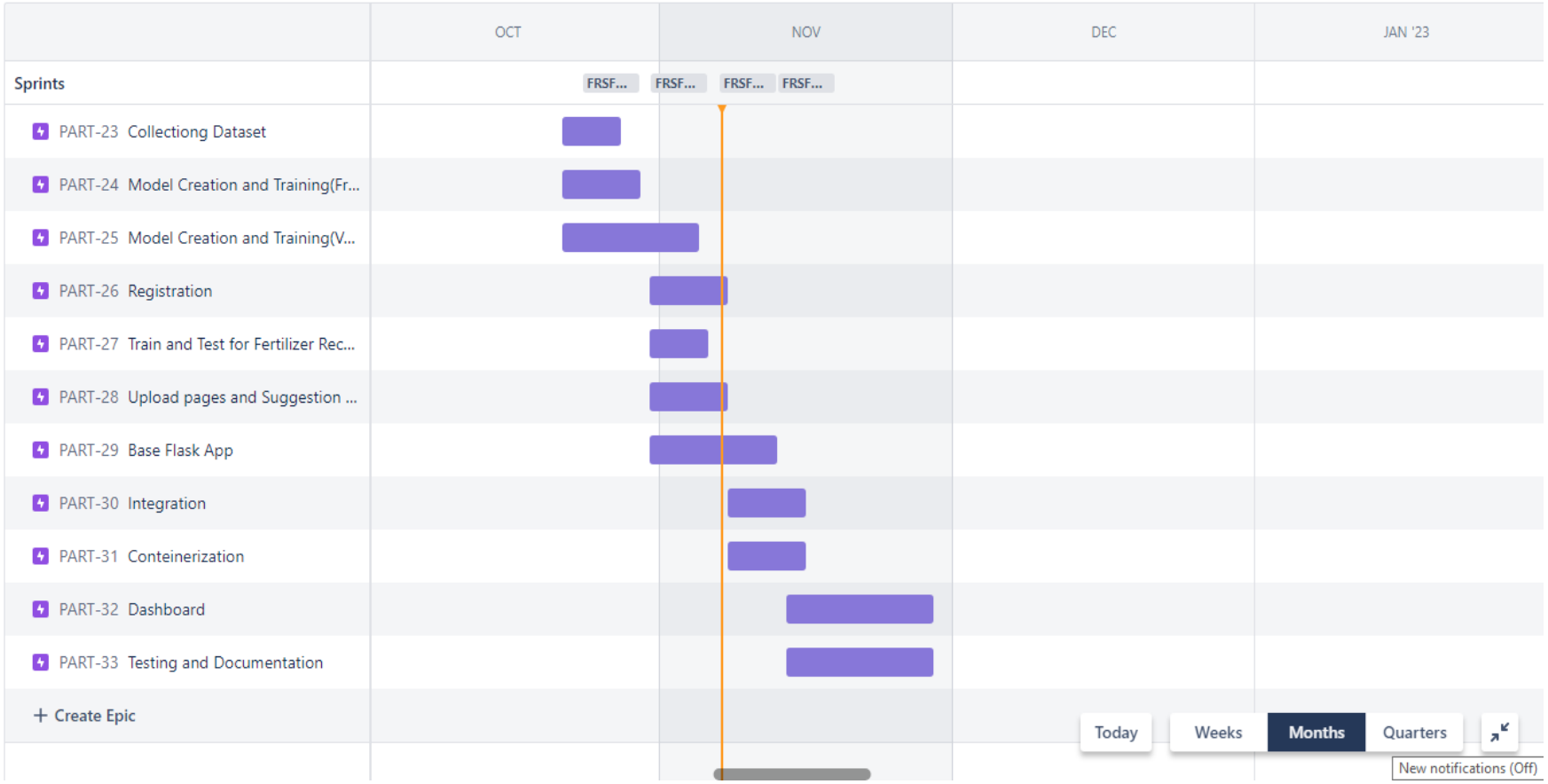
	UserDashboard	USN-5	As a user, I can view the previous results and history which saves the user's time.	3	Medium	Akalya.S, Devika.P, Dhivyadharshni.S, Manju.V
	Integration		Integrate Flask, CNN model with Cloud and Database.	5	Medium	Akalya.S, Devika.P, Dhivyadharshni.S, Manju.V
	Containerization		Containerize Flask app using Docker	5	Low	Akalya.S, Devika.P, Dhivyadharshni.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, Dhivyadharshni.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, Dhivyadharshni.S, Manju.V
	Containerization		Create and deploy Helm charts using Docker Image made before.	2	Low	Akalya.S, Devika.P, Dhivyadharshni.S, Manju.V

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

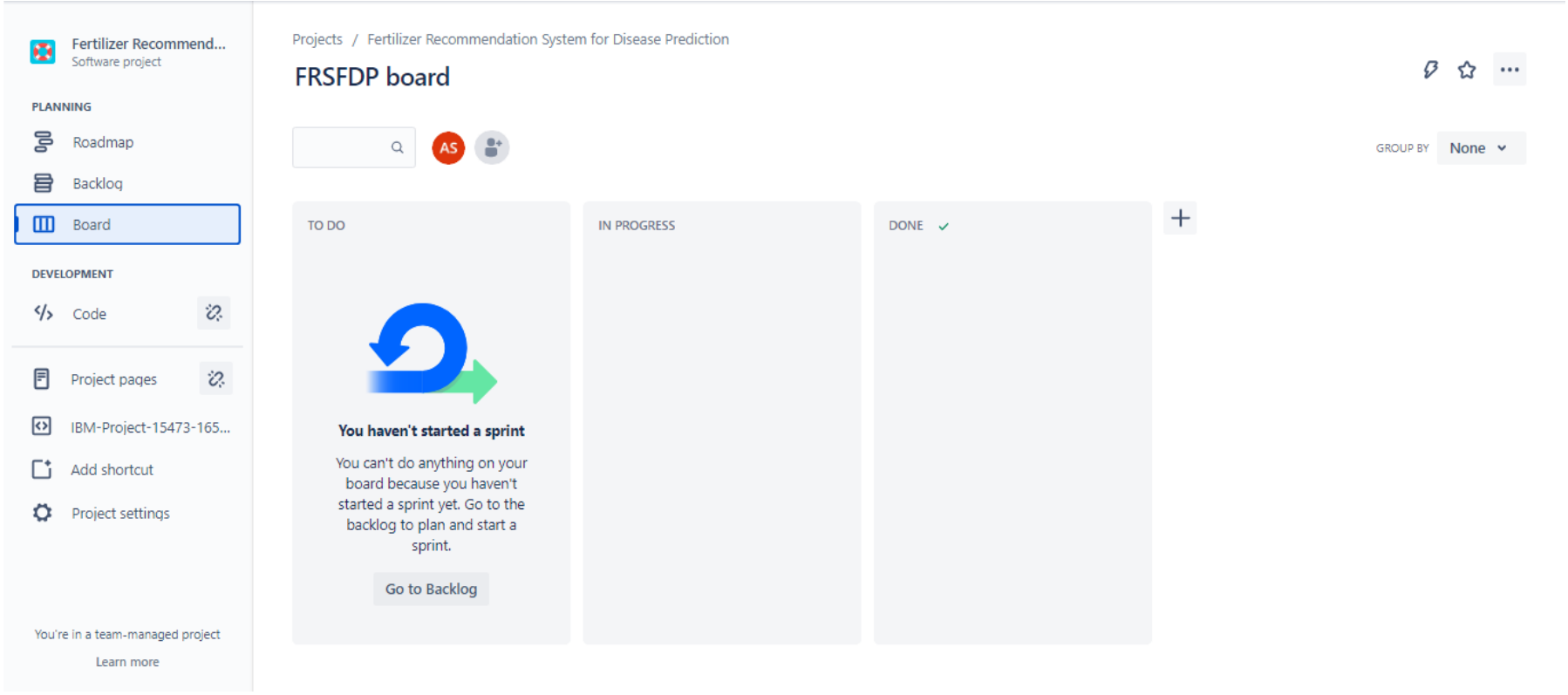
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29Oct2022	10	30 Oct 2022
Sprint-2	15	6 Days	31Oct 2022	05Nov2022	15	07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12Nov2022	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

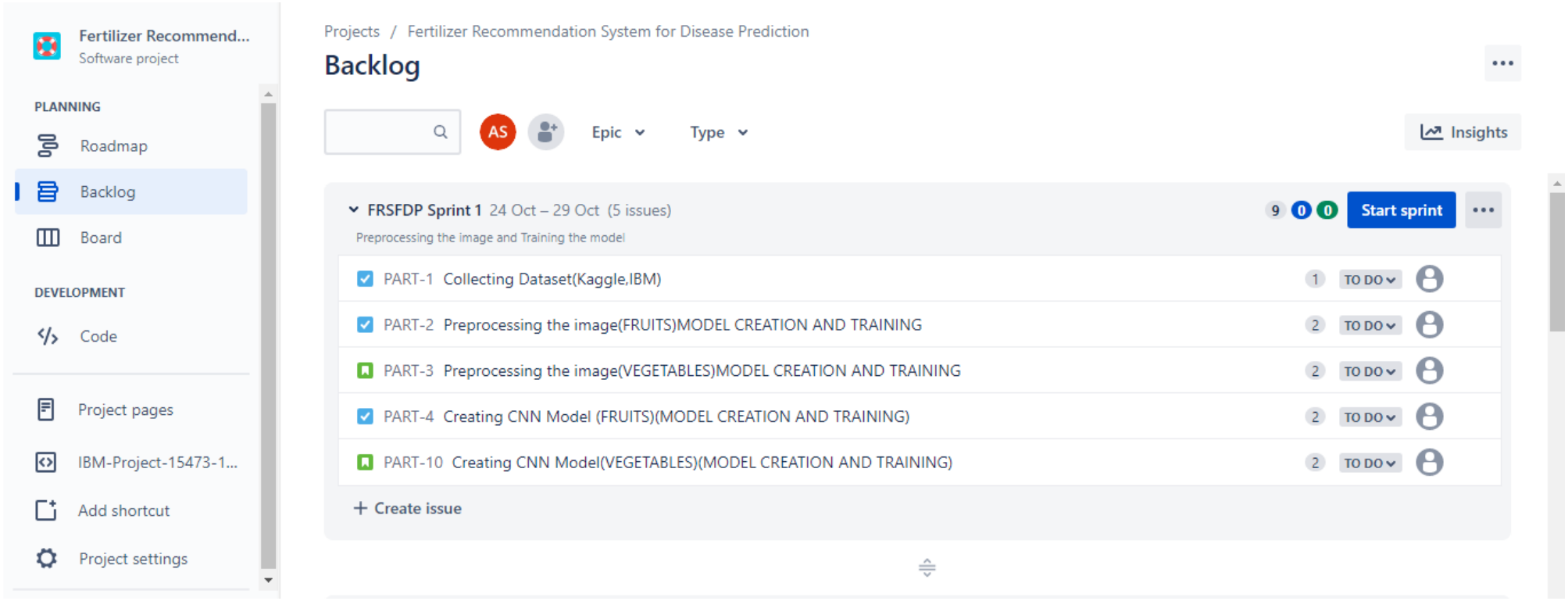
Roadmap:


OCT
NOV
DEC
JAN '23
Sprints
FRSF...
FRSF...
FRSF...
FRSF...
PART-23 Collectiong Dataset
PART-24 Model Creation and Training(Fr...
PART-25 Model Creation and Training(V...
PART-26 Registration
PART-27 Train and Test for Fertilizer Rec...
PART-28 Upload pages and Suggestion ...
PART-29 Base Flask App
PART-30 Integration
PART-31 Conteinerization
PART-32 Dashboard
PART-33 Testing and Documentation
+ Create Epic
Today
Weeks
Months
Quarters
New notifications (Off)

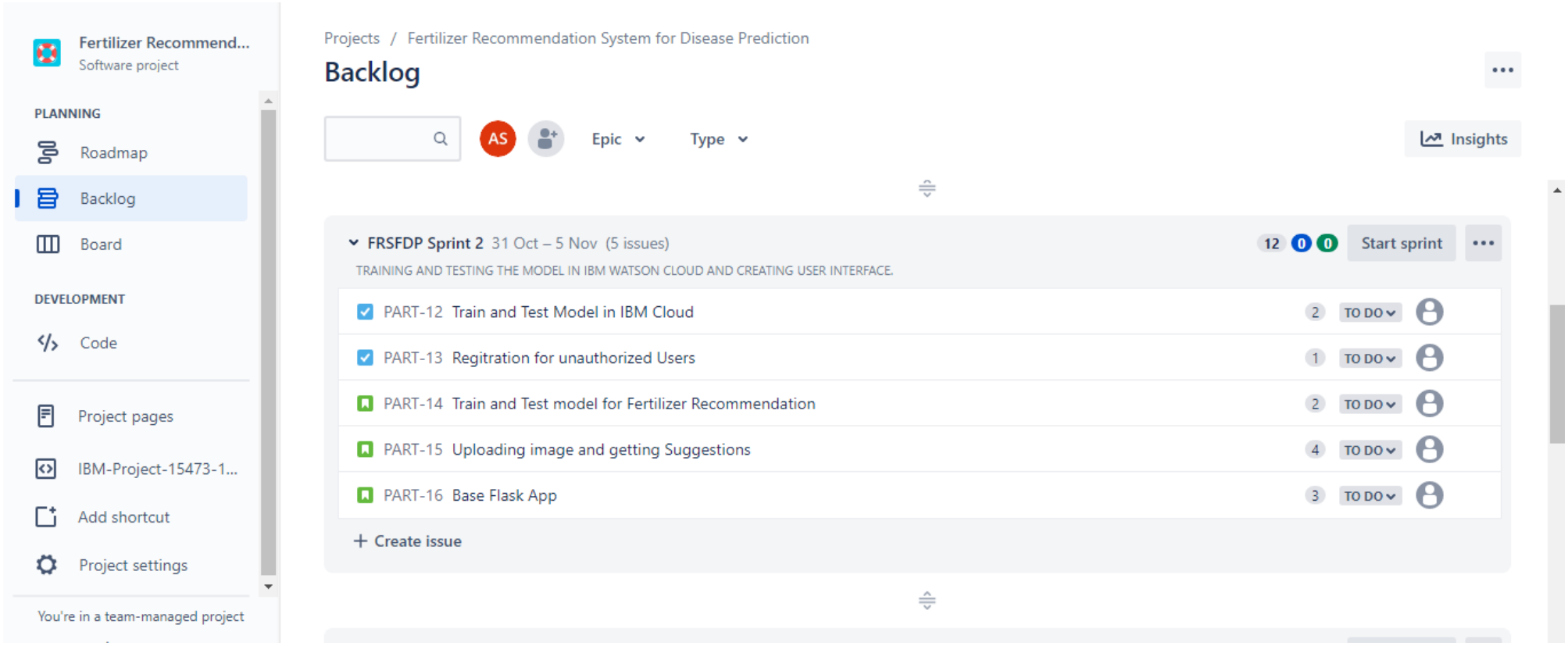
Screenshots:



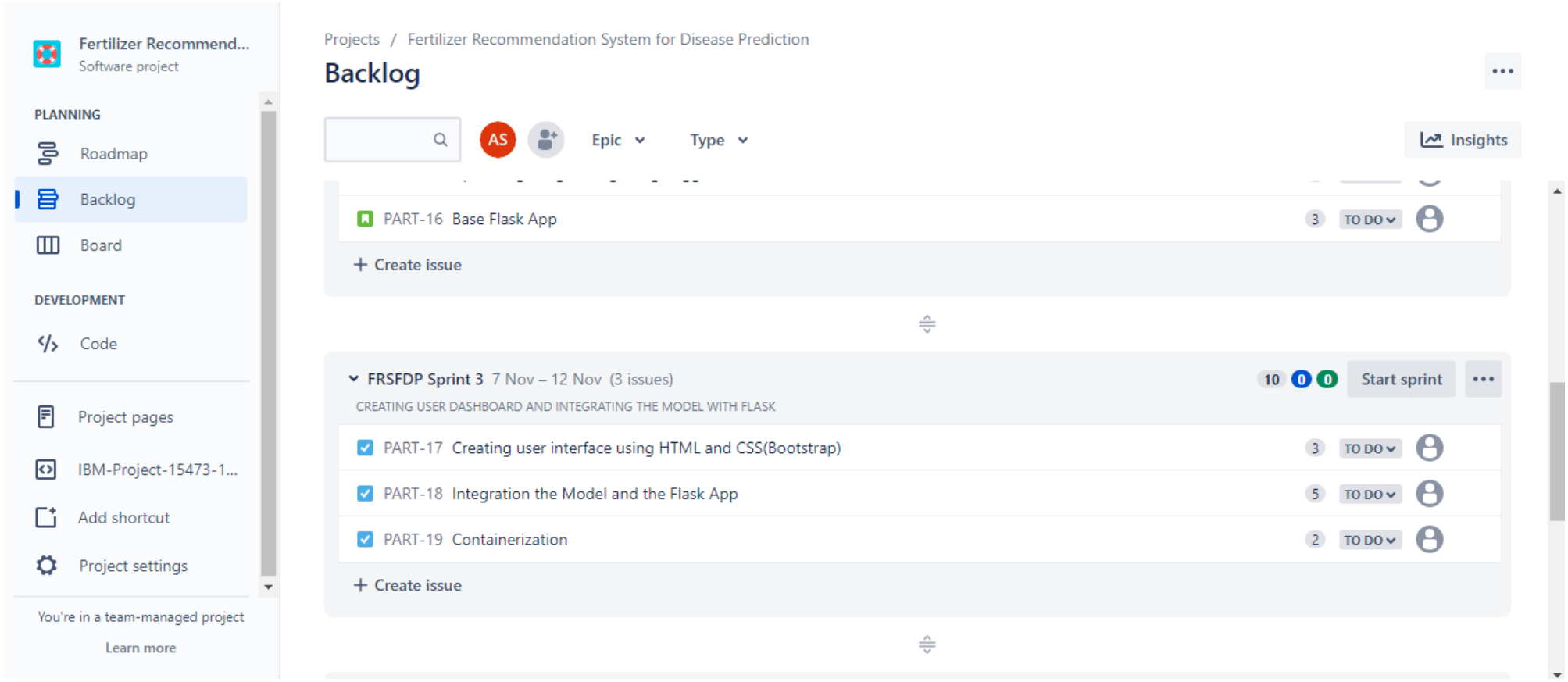
Sprint 1:


Fertilizer Recommend...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
IBM-Project-15473-1...
Add shortcut
Project settings
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
AS
Epic
Type
Insights
FRSFDP Sprint 1 24 Oct – 29 Oct (5 issues)
Preprocessing the image and Training the model
9 0 0
Start sprint
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

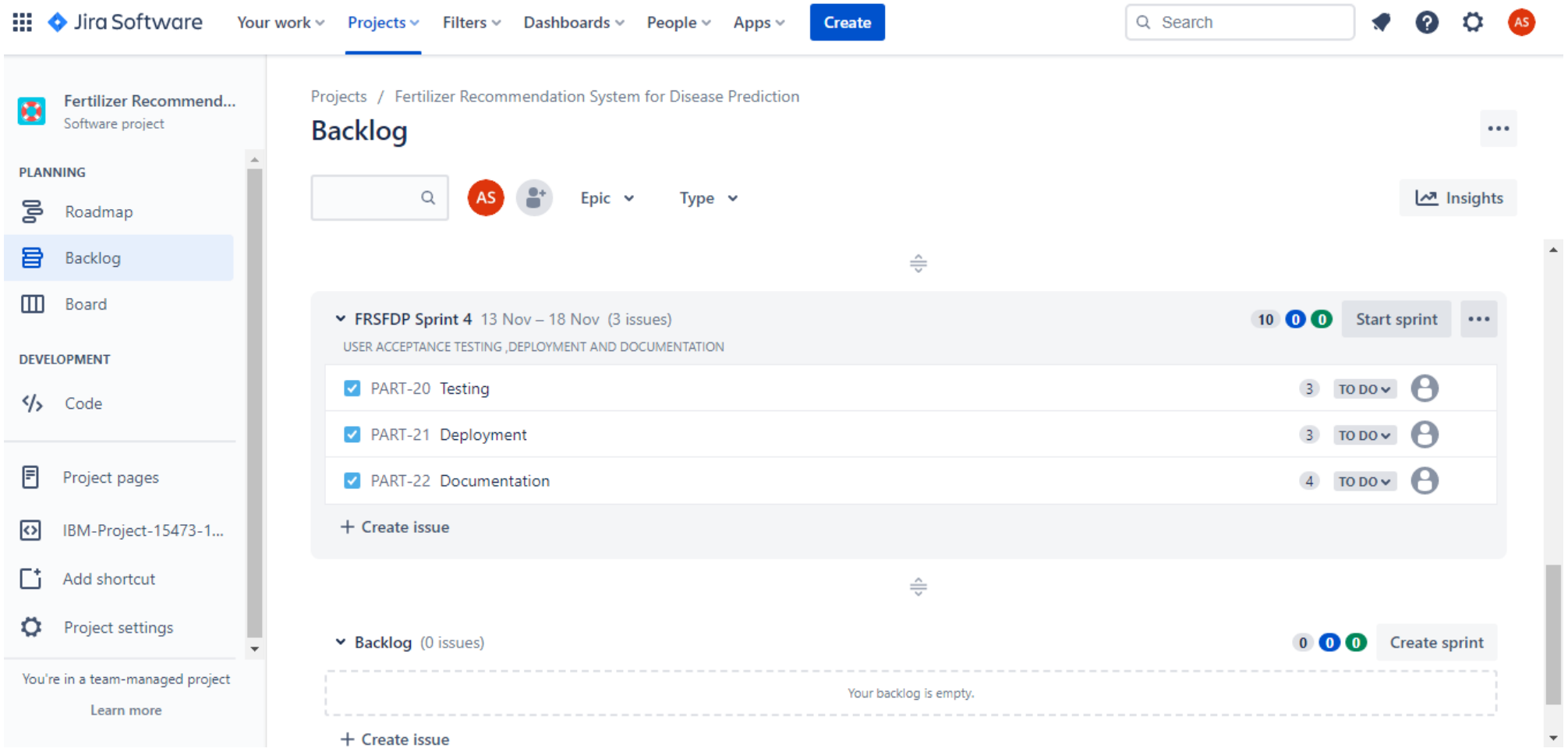
Sprint 2:


Fertilizer Recommend...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
IBM-Project-15473-1...
Add shortcut
Project settings
You're in a team-managed project
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
AS
Epic
Type
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 Regitration 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
Create issue

Sprint 3:


Fertilizer Recommend...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
IBM-Project-15473-1...
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
AS
Epic
Type
Insights
PART-16 Base Flask App 3 TO DO
Create issue
FRSFDP 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
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
IBM-Project-15473-1...
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
Epic
Type
Insights
FRSFDP Sprint 4 13 Nov – 18 Nov (3 issues)
10 0 0
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)
0 0 0
Create sprint
Your backlog is empty.
Create issue