Project Planning Phase

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

DATE	**03 November 2022**
TEAM ID	**PNT2022TMID38677**
PROJECT NAME	**Fertilizer recommendation system for disease prediction**

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Image preprossing	USN-1	As a customer, I can understand the farmer's problems. Because country farmers face numerous challenges, such as detecting the actual disease.	3	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-1		USN-2	Data collection- include gathering photos of diseased leaves from various types.	2	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-1		USN-3	Image Preprocessing - Preprocess the disease-affected photos by doing things like rotating them to grayscale and calling them.	3	Low	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-1		USN-4	Train and test the gathered dataset, as well as assess its accuracy.	4	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-2		USN-5	Model building - Creating a CNN model for image segmentation	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

Sprint-2		USN-6	Cnn model evaluation - Checking the accuracy and precision of the cnn model.	3	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-2	**MODEL BUILDING**	USN-7	SVM algorithm - The SVM algorithm is used to classify images and provides 95% accuracy..	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

Sprint-2		USN-8	Create a database for each dataset class.	3	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

Sprint	Functional Requirement(Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	TESTING MODEL	USN-9	Creation of User Database for the user details.	2	Low	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-2		USN-10	Description Page - The description page offers information on the predicting criteria as well as user guides.	3	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-3		USN-11	Login Page - Login with the user's email address.	2	Low	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-3		USN-12	Access via password.	3	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-3		USN-13	Dashboard and Input page creation - User profiles and prediction accuracy are included. We can feed the input images into the input page..	2	Low	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-3		USN-14	Prediction page - Display the prediction depending on user input.	2	Low	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

Sprint-4		USN-15	Model Load –creation of API using flask	4	Medium	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-4	**Crop Recommendation**	USN-16	User interface and backend API calls are connected	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-4		USN-17	Using IBM cloud to deploy the application.	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

Sprint-4		USN-18	Test that the application function works with good accuracy and low latency.	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k
Sprint-4		USN-19	Testing the application as a user ensures that all user interfaces are operational and that the prediction accuracy is correct.	5	High	Dhatchayani s Vincy rashitha el Saraswathi k Divya k

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 NOV 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 NOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 NOV 2022

Velocity:

Sprint 1 average velocity:

Average Velocity = 20 / 2 = 10

Sprint 2 average velocity:

Average Velocity = 20 / 2 = 10

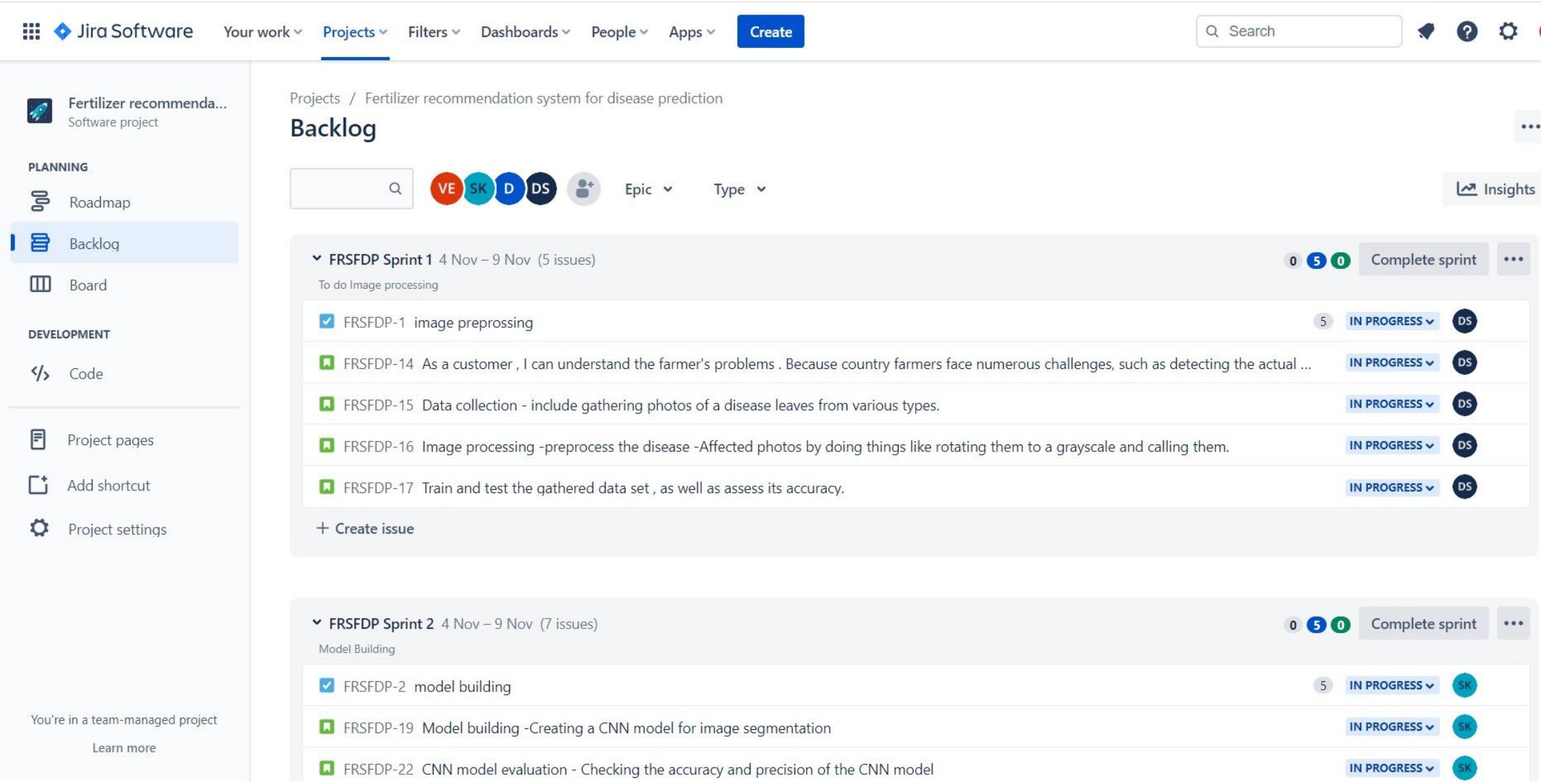
Sprint 3 average velocity:

Average Velocity = 20 / 1 = 20

Sprint 4 average velocity:

Average Velocity = 20 / 2 = 10

Burndown Chart:


Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Fertilizer recommenda...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / Fertilizer recommendation system for disease prediction
Backlog
VE SK D DS
Epic
Type
Insights
FRSFDP Sprint 1 4 Nov – 9 Nov (5 issues)
0 5 0
Complete sprint
To do Image processing
FRSFDP-1 image preprossing 5 IN PROGRESS DS
FRSFDP-14 As a customer , I can understand the farmer's problems . Because country farmers face numerous challenges, such as detecting the actual ... IN PROGRESS DS
FRSFDP-15 Data collection - include gathering photos of a disease leaves from various types. IN PROGRESS DS
FRSFDP-16 Image processing -preprocess the disease -Affected photos by doing things like rotating them to a grayscale and calling them. IN PROGRESS DS
FRSFDP-17 Train and test the gathered data set , as well as assess its accuracy. IN PROGRESS DS
Create issue
FRSFDP Sprint 2 4 Nov – 9 Nov (7 issues)
0 5 0
Complete sprint
Model Building
FRSFDP-2 model building 5 IN PROGRESS SK
FRSFDP-19 Model building -Creating a CNN model for image segmentation IN PROGRESS SK
FRSFDP-22 CNN model evaluation - Checking the accuracy and precision of the CNN model IN PROGRESS SK