Sprint Delivery Plan

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Planning Phase	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	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-1	Planning Phase	USN- 2	Data collection- include gathering photos of diseased leaves from various types.	2	Medium	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-1	Planning Phase	USN- 3	Image Preprocessing - Preprocess the disease-affected photos by doing things like rotating them to grayscale and calling them.	3	Low	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-1	Planning Phase	USN- 4	Train and test the gathered dataset, as	4	Medium	Padmasandhiya P Shivaraj B Vasanthaprasath M

			well as assess its accuracy.			Surya S
Sprint-2	Development Phase	USN- 5	Model building - Creating a CNN model for image segmentation	5	Low	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-2	Development Phase	USN- 6	Cnn model evaluation - Checking the accuracy and precision of the cnn model.	3	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-2	Development Phase	USN- 7	SVM algorithm - The SVM algorithm is used to classify images and provides 95% accuracy	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-2	Development Phase	USN- 8	Create a database for each dataset class.	3	Medium	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-3		USN- 9	Creation of User Database for the user details	2	Low	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-3		USN- 10	Description Page - The description page offers information on the predicting criteria as well as user guides.	3	Medium	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-3		USN- 11	Login Page - Login with the user's email address.	2	Low	Padmasandhiya P Shivaraj B

						Vasanthaprasath M Surya S
Sprint-3		USN- 12	Access via password.	3	Medium	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Deployment Phase	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	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Deployment Phase	USN- 14	Prediction page - Display the prediction depending on user input.	4	Low	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Deployment Phase	USN- 15	Model Load – creation of API using flask	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Deployment Phase	USN- 16	Using IBM cloud to deploy the application.	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Deployment Phase	USN- 17	User interface and backend API calls are connected	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S
Sprint-4	Testing Phase	USN- 18	Test that the application function works with good accuracy and low latency.	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S

Sprint-4	Testing Phase	USN- 19	Testing the application as a user ensures that all user interfaces are operational and that the prediction accuracy is correct.	5	High	Padmasandhiya P Shivaraj B Vasanthaprasath M Surya S

Project Tracker, Velocity & Burndown Chart:

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	08 Nov 2022	20	08 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	09 Nov 2022	20	09 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	19 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:


BURNDOWN CHART
45
40
35
30
25
20
15
10
5
0
24-10-2022
26-10-2022
28-10-2022
30-10-2022
01-11-2022
03-11-2022
05-11-2022
07-11-2022
09-11-2022
11-11-2022
13-11-2022
15-11-2022
17-11-2022
19-11-2022