Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID39927
Project Name	Project – Fertilizers Recommendation System for Disease Prediction
Maximum Marks	8 Marks

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	Modelling Phase	USN-1	As a customer I can understand the farmers problem. Because country side farmers face many problems such as finding the actual disease is quite difficult.	3	Medium	DWARAKESWARAN U
Sprint-1		USN-2	Data Collection - Collect the sample images of disease affected leaves of different kind of varieties and unpredictable disease affected leaves.	2	Medium	KALAISELVAN M
Sprint-1		USN-3	Image Preprocessing - Preprocess the collected disease affected images such as rotating to grayscale, calling.	3	Low	B VINAY
Sprint-1		USN-4	Train and test the collected dataset and to measure the accuracy of the dataset.	4	Medium	JAGAN V
Sprint-2		USN-5	Model building - Create a CNN model for the image segmentation	5	High	B VINAY
Sprint-2		USN-6	Cnn model evaluation - Evaluating the cnn model to check the accuracy and precision.	3	High	KALAISELVAN M
Sprint-2	Development Phase	USN-7	SVM algorithm - Use of svm is classifies the images and give 95% accuracy.	5	High	DWARAKESWARAN U
Sprint-2		USN-8	Database creation for each dataset classes.	3	Medium	JAGAN V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-9	User database creation for the user details.	2	Low	DWARAKESWARAN U
Sprint-2		USN-10	Description Page - It contains the details of predicting criteria and user guides.	3	Medium	KALAISELVAN M
Sprint-3		USN-11	Login Page - Login the user with phone number and email id.	2	Low	B VINAY
Sprint-3		USN-12	IAM - Access via OTP or SSH key protection.	3	Medium	JAGAN V
Sprint-3		USN-13	Dashboard and Input page creation - Contains user profiles and predicting accuracy. Input page we can able to feed the input images.	2	Low	B VINAY
Sprint-3		USN-14	Prediction page - Show the prediction based on the user input.	2	Low	JAGAN V
Sprint-4		USN-15	Model Load – API creation using flask	4	Medium	DWARAKESWARAN U
Sprint-4	Deployment Phase	USN-16	Connecting User interface and backend API calls	5	High	JAGAN V
Sprint-4		USN-17	Deploy the application using IBM cloud	5	High	DWARAKESWARAN U
Sprint-4	Testing Phase	USN-18	Test the application function to be working with high accuracy and low latency with reliable.	5	High	KALAISELVAN M
Sprint-4		USN-19	Testing the application as a user all user interfaces will be working properly with check the prediction accuracy.	5	High	B VINAY

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	12	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	21	4 Days	30 Oct 2022	02 Nov 2022		
Sprint-3	09	5 Days	03 Nov 2022	07 Nov 2022		
Sprint-4	24	5 Days	08 Nov 2022	12 Nov 2022		

Velocity:

Sprint 1 average velocity:

Average Velocity = 12 / 6 = 2

Sprint 2 average velocity:

Average Velocity = 21 / 4 = 5.2

Sprint 3 average velocity:

Average Velocity = 09 / 5 = 1.8

Sprint 4 average velocity:

Average Velocity = 24 / 5 = 4.8

Burndown Chart:

Date - 24 October 2022 - 29 October 2022

Sprint goal - Dataset Implementation