Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID44389
Project Name	Fertilizers Recommendation System for disease Prediction
Maximum Marks	8 Marks

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

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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Kokila Devi T Nivedha G Pavithra K
		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Pavithra S Thanuja shri K
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Nivedha G Pavithra K Thanuja shri K
	Login	USN-4	As a user, I can log into the application by entering email & password	4	High	Pavithra S Kokila devi T
	Creating The dashboard	USN-5	Create the Dashboard to Interacts with the user interface to upload images	10	High	Pavithra S Kokila devi T Nivedha G Pavithra K Thanuja shri K
Sprint-2	Download and working with the dataset	USN-6	To work on the given dataset, Download and Understand the Dataset.	4	Medium	Pavithra S Kokila devi T Nivedha G Pavithra K Thanuja shri K
			Load the dataset	4	Medium	Pavithra S Kokila devi T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Image Preprocessing		Format images in the dataset before they are used by model training	4	Medium	Nivedha G Pavithra K Thanuja shri K
			Import the Libraries	4	Medium	Pavithra S Nivedha G Pavithra K
			Initializing the model	4	Medium	Kokila devi T Thanuja shri K
	Add CNN Layers	USN-7	Adding three layers for CNN 1.Convolution layer 2.Pooling layer 3.Flattening layer	4	High	Pavithra S Kokila devi T Nivedha G Pavithra K Thanuja shri K
Sprint-3	Add Dense Layers	USN-8	Add a hidden layer and output layer	20	High	Pavithra S Kokila devi T Nivedha G Pavithra K Thanuja shri K
Sprint-4	Train the model	USN-9	Using the dataset, Train the model for disease prediction to recommend the fertilizer	10	Medium	Pavithra S Kokila devi T Nivedha G
	Test the model	USN-10	Test the model with different data	10	High	Pavithra K Thanuja shri 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	19 Nov 2022

Velocity:

We have a 24-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day

AV = Sprint Duration / Velocity = 24 / 20 = 1.2

Burndown Chart: A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.