Project Planning Phase

Project Planning Template

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

Date	15 November 2022
Team ID	PNT2022TMID33289
Project Name	Project – Fertilizer Recommendation System for Disease Prediction.
Maximum Marks	8 Marks

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

Use the below 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	Aravindan J
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ashok E
Sprint-2		USN-3	As a user, I can register for the application through Gmail	2	Low	Aravindan J
Sprint-2		USN-4	As a user, I can log into the application by entering email & password	2	Low	Gokulnath S
Sprint-1	Login	USN-5	As a user, I can log into the application and look into my dashboard	1	Medium	Vellaisamy C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard	USN-1	As a user, I can log into the application and update my profile Details	1	Low	Aravindan J
Sprint-2		USN-2	As a user, I can log into the application and check my filter contents	1	Low	Gokulnath S
Sprint-1		USN-3	As a user, I can register for the application by entering my email, password, and confirming my password through web applications such as Chrome, Firefox, brave, Operamini etc.	1	High	Vellaisamy C
Sprint-1	Login	USN-1	As a Web user, I can register on the System with a User ID	2	Medium	Gokulnath S
Sprint-1	Dashboard	USN-1	As a user, I can Report to the customer service about the error or doubt of the application by calling to the customer service which is provided in the application help box	1	Medium	Ashok E
Sprint-1		USN-2	As a user, I can Report to the customer service about the error or doubt of the application by emailing to the customer service which is provided in the application help box	1	Medium	Vellaisamy C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Application	USN-1	As a supporter, I can see how customers use the product	2	High	Ashok E
Administrator	Analyst		As an admin, I can update several datasets about plant diseases.	2	High	Aravindan J
	Application		Application administrator will rectify the error caused in the application as soon as possible and provide a patch update in order to have an error free software	1	High	Ashok E
Customer Purpose	Prediction		It uses artificial intelligence to identify plant diseases in captured photographs and provides a live view of prediction	2	High	Gokulnath S

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	6	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	3	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022

Velocity:

Imagine we have a 10-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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$