Project Planning Phase

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

Date	20 November 2023
Team ID	PNT2022TMID592873
Project Name	Project - Deep Learning Model For Detecting Diseases in Tea Leaves.
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	Disease Detection Module	USN-1	As a tea farmer , I want the system to detect common diseases in tea leaves .	8	High	Developer,Tester
Sprint-1	Image Capture Integration	USN-2	Integrate a feature to capture high-quality images of tea leaves for analysis.	5	Medium	Developer,Tester
Sprint-2	Disease Database Integration	USN-3	Implement a database to store information about various diseases affecting tea leaves.	8	High	Database Developer , Tester
Sprint-2	User Notification	USN-4	Develop a notification system to alert farmers when a disease is detected.	5	Medium	Database Developer , Tester
Sprint-3	Web App Interface	USN-5	Create a user-friendly interface for farmers to interact with the system via a mobile app.	13	High	UI/UX Designer, Developer

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	13	6 Days	2 Nov 2023	7 Nov 2023	8	9 Nov 2023
Sprint-2	13	6 Days	8 Nov2023	13 Nov 2023	13	15 Nov 2023
Sprint-3	13	6 Days	14 Nov 2023	19 Nov 2023	8	22 Nov 2023

Velocity:
We have a 6-day sprint duration, and the velocity of the team is 13 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity}$$

= 13 / 6 = 2