Project Planning Phase

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

Date	25 October 2022
Team ID	Team-593089
Project Name	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 System	USN-1	As a user, I can upload a tea leaf image for disease detection	5	High	Ali Asgar Chandnawala
Sprint-1	Disease Classification model	USN-2	Develop a deep learning model for tea leaf detection	8	High	Srutakirti bhowmik
Sprint-2	User interface	USN-3	Create a user-friendly web interface for image uploading	8	Medium	Parna chaudhry
Sprint-2	Result Display	USN-4	Display disease diagnosis results to the user	5	Medium	Ali Asgar Chandnawala
Sprint-3	Improve model Accuracy	USN-5	Refine the deep learning model for higher accuracy	8	High	Parna chaudhry
Sprint-3	User authentication	USN-6	Implement user authentication and security features	5	Medium	Srutakirti bhowmik

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	8 Days	16Oct 2022	23 Oct 2023	8	24 Oct 2023
Sprint-2	13	5 Days	24Oct 2022	28 oct 2023	8	26 oct 2023
Sprint-3	13	8 Days	29 oct 2023	5 nov 2023	13	8 nov 2023

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)

$$AV = \frac{sprint\ duration}{velocity} = 8/13=0.615$$

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.