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

Date	27 October 2023
Team ID	Team-592756
Project Name	Project Name Potato Disease Classification
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 Classification	USN-1	As a user, I can upload images of potato plants affected by various diseases for classification.	3	High	EDE RENUKA MADHAV
Sprint-1	Disease Classification	USN-2	As a user, I can view the predicted disease class and its probability for the uploaded potato plant image.	2	High	V.P.PRANEETH REDDY
Sprint-2	Disease Classification	USN-3	As a user, I can access historical data and analysis of previously classified potato diseases.	2	Medium	SAI SANTHOSH
Sprint-2	Disease Classification	USN-4	As a user, I can provide feedback on the accuracy of the disease classification for continuous model improvement.	1	Medium	
Sprint-3	Disease Classification	USN-5	As a user, I can receive recommendations for disease management strategies based on the classified potato disease.	3	Low	

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	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2023
Sprint-2	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2023
Sprint-3	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2023
Sprint-4	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 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)

$$AV = \text{sprint duration / velocity} = 80/4 = 20$$

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts