

Project Planning Phase

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

Date	27 October 2023
Team ID	Team - 592396
Project Name	Project – Potato Classification Disease
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
Sprint-1	Image Uploading	USN-1	As a user, I can upload the image of affected leaf of the potato plant.	2	High
Sprint-2	Dashboard	USN-2	As a user, I can compare the images to check for the type of disease.	1	High
Sprint-2		USN-3	As a user, I get the image classified into early blight or late blight.	1	High
Sprint-1		USN-4	As a user, I also get notified if the leaf is healthy	2	Medium

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	1 Day	20 Oct 2023	21 Oct 2023	20	21 Oct 2023
Sprint-2	20	1 Day	22 Oct 2023	23 Oct 2023	20	23 Oct 2023
Sprint-3	20	1 Day	24 Oct 2023	25 Oct 2023	20	25 Oct 2023
Sprint-4	20	1 Day	26 Oct 2023	27 Oct 2023	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)

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

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.

