

Project Planning Phase

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

Date	20 Nov 2023
Team ID	591844
Project Name	Project – 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	Image Upload	USN-1	As a farmer, I can upload an image of a potato plant leaf to get an automated disease diagnosis.	5	High	Aniesh, Jahnavi
Sprint-1	Disease prediction	USN-2	As a student, I want to see what disease has detected and its accuracy.	3	Medium	Rion, Puneeth
Sprint-2	Model Training	USN-3	As an Admin, I want to update the model regularly.	8	High	Jahnavi, Aniesh
Sprint-2	Feedback Mechanism	USN-4	As a user, I can provide feedback about the prediction results.	3	Low	Puneeth, Rion

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	18	6 Days	01 Nov 2023	07 Nov 2023	18	08 Nov 2023
Sprint-2	14	6 Days	08 Nov 2023	14 Nov 2023	14	15 Nov 2023

Velocity:

Assuming a 6 – day sprint:

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

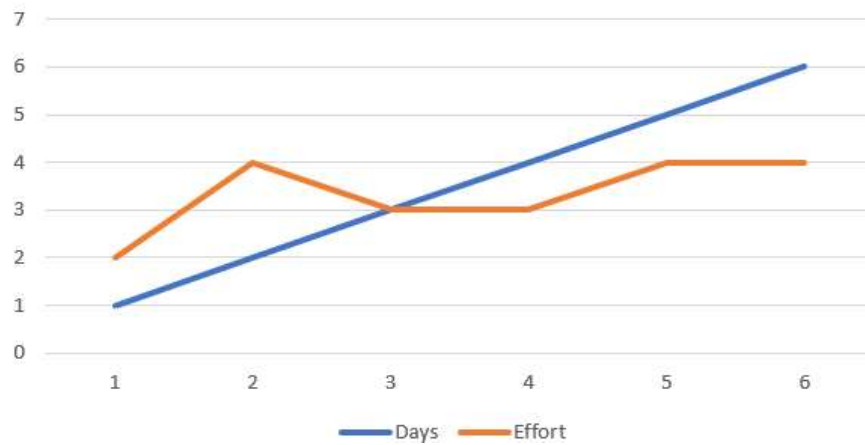
Sprint 1 $AV = 18/6 = 3$ points per day

Sprint 2 $AV = 14/6 = 2.33$ points per day

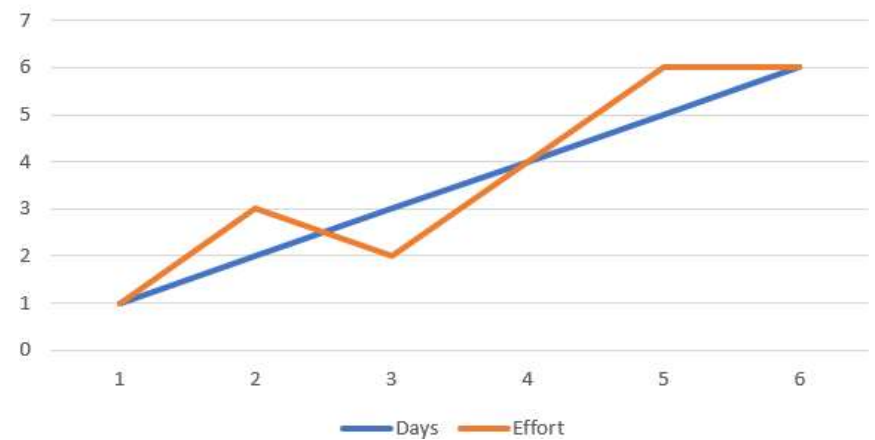
Burndown Chart:

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.

Sprint 1 Burndown Chart



Sprint 2 Burndown Chart



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

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

Reference:

- Atlassian: <https://www.atlassian.com/agile>
- Scrum Methodology Guide: <https://scrumguide.org/>
- Sprint Planning in Agile: <https://www.atlassian.com/agile/scrum/sprints>
- Story Point Estimation: <https://www.atlassian.com/agile/project-management/estimation>