

Project Planning Phase

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

Date	20 Nov 2023
Team ID	592117
Project Name	Project - xxx
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	Accessing the webpage	USN-1	As a user, I can access the web page using link	3	Low	Sahith, Soumik
Sprint-1	Uploading image	USN-2	As a user, I can upload my own image for image caption generation	7	Medium	Nagavardhan, Nishanth
Sprint-2	Generate Caption	USN-3	As a user, I can click Caption Generation button for output	10	High	Nishanth, Nagavardhan
Sprint-2	Result analysis	USN-4	As a user, I can get the meaningful caption form webpage	5	Medium	Soumik, Sahith
Sprint-2	Home page access	USN-5	As a user, I can go to Home page for giving input again	5	Low	Nishanth

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	6 Days	07 Nov 2023	13 Nov 2023	20	14 Nov 2023
Sprint-2	10	6 Days	14 Nov 2023	20 Nov 2023	10	21 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)

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

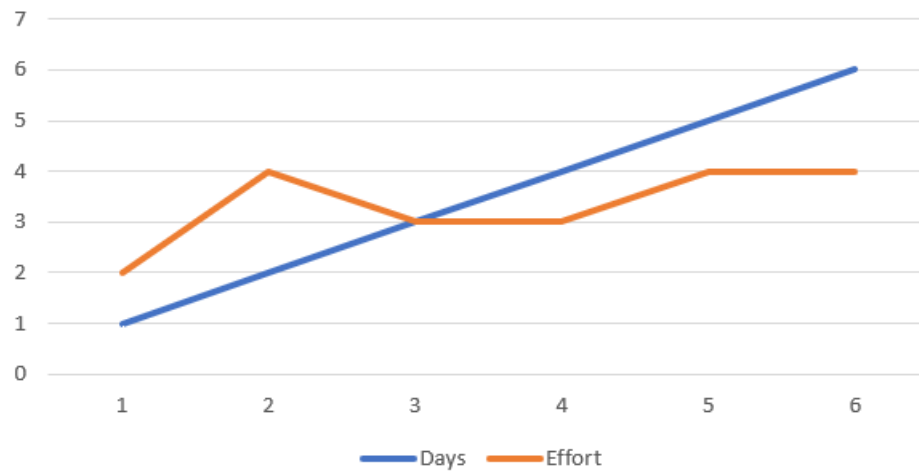
$$\text{Sprint 1 } AV = 20/6 = 3.33$$

$$\text{Sprint 2 } AV = 10/6 = 1.66$$

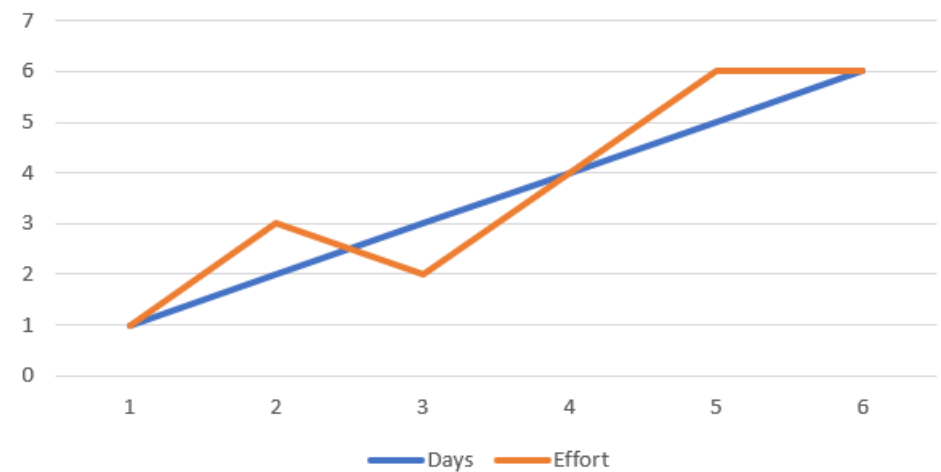
Burndown Chart:

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:

<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>