

Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | Team- 592967 |
| 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 | upload | USN-1 | As a farmer, I want to upload images of potato plants. | 2 | High | |
| Sprint-1 | upload | USN-2 | As a researcher, I want to view a history of uploaded images. | 1 | High | |
| Sprint-2 | classify | USN-3 | As a farmer, I want to see the classification results for my uploaded images | 2 | Low | |

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|----------|--------|-------|---|---|--------|--|
| Sprint-1 | filter | USN-4 | As a researcher, I want to filter images by disease type. | 2 | Medium | |
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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 | 24 oct 2023 | 29 Oct 2023 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 oct 2023 | 05 Nov 2023 | 10 | 05 Nov 2023 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2023 | 12 Nov 2023 | 20 | 12 Nov 2023 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2023 | 15 | 19 Nov 2023 |
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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)

$$av = \frac{20 + 10 + 20 + 15}{40} = 1.625$$

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>