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

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID27490 |
| Project Name | Fertilizers Recommendation System For Disease Prediction |
| 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 | Dashboard | USN-1 | As a user, I can visit the website by entering the URL of the website. | 1 | Medium | Padmapriya |
| Sprint-1 | | USN-2 | As a user, I can navigate into the website. | 1 | Low | Meghaa Rhenith |
| Sprint-2 | Input | USN-3 | As a user, I will upload the image of a leaf to predict the disease. | 2 | High | Lakshmi Priya |
| Sprint-3 | Result | USN-4 | As a user, I can see the output. | 3 | High | Sneha |
| Sprint-3 | | USN-5 | As a user, I can get recommendations about the fertilizer to use. | 2 | High | Lakshmi Priya |
| Sprint-4 | Backend | USN-6 | As an admin, I can add new fertilizers into the database. | 1 | Low | Meghaa Rhenith |

**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 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**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)

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

**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.