

Project Planning Phase

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

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID29695 |
| Project Name | Project – Visualizing and Predicting Heart Diseases with an Interactive Dash Board |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Parvathi S R, Sabarish A |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 2 | High | Prasannan S, Prathap Raj S |
| Sprint-1 | | USN-3 | As a user, I can register for the application through Email, Google account and mobile number | 2 | Medium | Parvathi S R, Prasannan S |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 2 | High | Parvathi S R, Sabarish A |
| Sprint-2 | Dashboard | USN-5 | As a user, I can update my profile and medical records for analysis | 5 | High | Sabarish A, Prasannan S |
| Sprint-2 | | USN-6 | As a user, I can view the accuracy of occurrence of heart disease through the report generation | 3 | High | Parvathi S R, Prathap Raj S |
| Sprint-3 | Helpdesk | USN-7 | As a user, I can post my queries | 3 | Medium | Prasannan S, Prathap Raj S |
| Sprint-3 | | USN-8 | As a customer care executive, he/she can view and answer the customer queries. | 5 | High | Sabarish A, Parvathi S R |
| Sprint-4 | User profile | USN-9 | As an admin, he/she can update the health details of the users | 1 | High | Prathap Raj S |
| Sprint-4 | | USN-10 | As an admin, he/she can add or delete users | 2 | High | Prasannan S, Prathap Raj S |
| Sprint-4 | | USN-11 | As an admin, he/she can manage the user details | 5 | High | Prasannan S, Parvathi S R |

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 | 8 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 8 | 29 Oct 2022 |
| Sprint-2 | 8 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 8 | 05 Nov 2022 |
| Sprint-3 | 8 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 8 | 12 Nov 2022 |
| Sprint-4 | 8 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 8 | 19 Nov 2022 |

Velocity:

We have a 6-day sprint duration, and the velocity of the team is 8 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

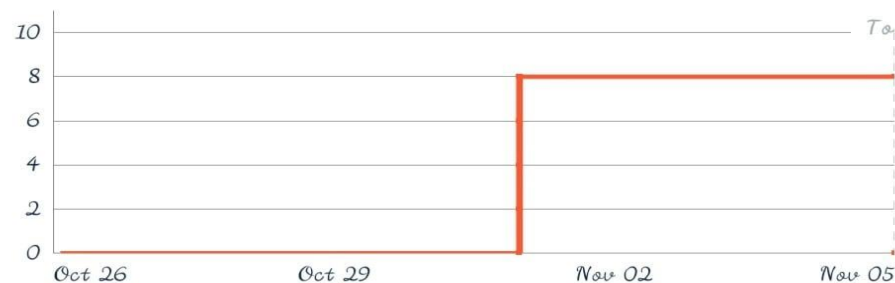
$$AV = \text{Sprint duration} / \text{Velocity} = 8 / 6 = 1.3$$

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.

Burndown Chart

VPHD Sprint 1 ▾ Story Points ▾



- Remaining work
- Ideal burn rate

8