

Project Planning Phase

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

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|---------------|--|
| Date | 09 November 2022 |
| Team ID | PNT2022TMID09355 |
| Project Name | Project - Analytics for Hospitals Health-Care Data |
| 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. | 20 | High | Shiva S Vijaykumar K |
| Sprint-1 | Data uploading | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 10 | High | Shankar T Thanigai arul |
| Sprint-2 | Data Analysis | USN-3 | As a user, I can register for the application through Facebook | 20 | High | Shiva S Vijaykumar K |
| Sprint-2 | Dashboard | USN-4 | As a user, I can register for the application through Gmail | 20 | High | Shankar T Thanigai arul |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 10 | High | Shiva S Vijaykumar K |
| Sprint-4 | Report | USN-6 | As a user, I will be making a report from the analysis and dashboards | 20 | High | Shiva S Vijaykumar K |

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 | 08 nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 08 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)

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

Burndown Chart:

A burndown 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

