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

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|---|---|
| Date | 7 November 2022 |
| Team ID | PNT2022TMID04231 |
| Project Name | Analytics for Hospital's 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 an admin, I can register users and provide username and password to create an account. | 20 | High | Jayasurya R<br>Santhoshkumar N |
| Sprint-1 | Login | USN-2 | As a user, I will receive confirmation email once the account is created. | 10 | High | Karthiga G<br>Dishni Priya J |
| Sprint-2 | Dashboard | USN-3 | As a user, I can add the details of the patient and also the bed and doctor details. | 20 | Medium | Santhoshkumar N<br>Karthiga G |
| Sprint-2 | Dashboard | USN-4 | As a user, I can also upload the medical details of the patient. | 20 | Medium | Dishni Priya J<br>Jayasurya R |
| Sprint-3 | Prediction | USN-5 | As a user, I can analyse the data and virtualize it and also can predict the duration of stay. | 20 | High | Jayasurya R<br>Karthiga G |
| Sprint-4 | Report | USN-6 | As a user, I can make the report from the analysis. | 10 | High | Santhoshkumar N<br>Dishni Priya J |

**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.