# Project Planning Phase

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

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|---|---|
| Date | 27 October 2022 |
| Team ID | PNT2022TMID32896 |
| Project Name | Project – 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 a user, I can register for the cognos analytics application by entering my email, password, and confirming my password. | 10 | High | Deepika Samyukthasri Dharshini Arivazhagi |
| Sprint-1 | Data uploading | USN-2 | As a user, I will be uploading my data into the cognos analytics | 10 | High | Deepika Samyukthasri Dharshini Arivazhagi |
| Sprint-2 | Data preparation | USN-3 | As a user, I will be cleaning the data for analysis and creating a data module | 5 | High | Deepika Samyukthasri |
| Sprint-2 | Data Analysis | USN-4 | As a user, I will be performing analysis on the data for making predictions | 5 | High | Deepika Samyukthasri |
| Sprint-2 | Dashboards | USN-5 | As a user, I will be making visualizations and interactive dashboards from the data | 10 | High | Deepika Samyukthasri |
| Sprint-3 | Story | USN-6 | As a user, I will be making stories from the data and the dashboards | 20 | High | Deepika Samyukthasri |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-4 | Report | USN-7 | As a user, I will be making a report from the analysis and dashboards | 20 | High | Deepika Samyukthasri |

**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)

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