# Sprint Schedule

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|---|---|
| **Date** | 23 October 2022 |
| **Team ID** | PNT2022TMID14777 |
| **Project Name** | Project - Analytics for hospitals health care data |
| **Maximum Marks** | 8 Marks |

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## Product Backlog, Sprint Schedule, and Estimation - 4 Marks

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Retrieve Data | USN-1 | I should be able to extract the right kind of data that helps me in the analysis process. | 15 | High | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |
| Sprint-1 | Visualize the data | USN- 2 | I need nicely visualized dashboard representing LOS of patients | 5 | Medium | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |

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|---|---|---|---|---|---|---|
| Sprint-2 | Track of patient visit of Hospital | USN-3 | Tracking a patient Health care over years of visit | 5 | Medium | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |
| Sprint -2 | Dashboard Analysis | USN - 4 | Build interactive dashboard to analyse the data in terms of Graph, plots etc. | 15 | High | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |
| Sprint- 3 | Story Creation/Story Boarding | USN-5 | I need the story animation of the data set with insights. | 20 | Medium | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |
| Sprint-4 | LOS prediction | USN-6 | To predict the length of stay of the patients as accurate as possible | 10 | High | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |
| Sprint-4 | Using ML algorithm for Prediction | USN-7 | As a user, I need prior knowledge of LOS can aid in logistics such as room and bed allocation planning. | `10 | High | Janani M<br>Kavipriya T<br>Sadhasivam S<br>Manjeet Singh |

## 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 |

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|---|---|---|---|---|---|---|
| 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: