

Project Planning Phase

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

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|---------------|---|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID16345 |
| 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 a health care provider I can create account in IBM cloud and the data are collected. | 20 | High | 2 Members |
| Sprint-2 | Analyze | USN-2 | As a health care provider all the data that are collected is cleaned and uploaded in the database or IBM cloud. | 20 | Medium | 2 Members |
| Sprint-3 | Dashboard | USN-3 | As a health care provider I can use my account in my dashboard for uploading dataset. | 10 | Medium | 2 Members |
| Sprint-3 | Visualization | USN-4 | As a health care provider I can prepare data for Visualization. | 10 | High | 2 Members |
| Sprint-4 | Visualization | USN-5 | As a health care provider I can present data in my dashboard. | 10 | High | 2 Members |
| Sprint-4 | Prediction | USN-6 | As a health care provider I can predict the length of stay | 10 | High | 2 Members |

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)

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