

Project Planning Phase

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

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| Date | 22 October 2022 |
| Team ID | PNT2022TMID33955 |
| Project Name | Analytics for Hospitals Health Care Data |
| Maximum Marks | 8 Marks |

Product Backing, Sprint Schedule, 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. | 3 | High | Indhu, Sandhiya, Shobika, Jegatha |
| Sprint-1 | Confirmation | USN-2 | As a User, I will receive confirmation email once I have registered for the application. | 3 | High | Indhu, Sandhiya, Jegatha |
| Sprint-1 | Login | USN-3 | As a User, I can log in into the application by entering email & Password. | 2 | Low | Shobika, Jegatha |
| Sprint-3 | Dashboard | USN-4 | As a User, I can view my dashboard and can perform LOS and analysis. | 3 | High | Indhu, Sandhiya |
| Sprint-2 | View list of LOS | USN-5 | As a User, I can view the list of length of stay and their details. | 2 | High | Indhu, Sandhiya, Shobika |
| Sprint-2 | Email alert | USN-6 | As a User, if I am losing the data in the data section then I will be getting an alert through my email. | 1 | High | Sandhiya, Shobika |
| Sprint-2 | Search LOS | USN-7 | As a User, I can search through the LOS using dataset. | 1 | Low | Indhu, Jegatha |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story/Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|-----------------------------------|
| Sprint-3 | Update LOS | USN-8 | As a User, I can add/delete details. | 2 | High | Jegatha, Shobika |
| Sprint-4 | Report Generation | USN-9 | As a User, I can generate reports based on Patient's details. | 3 | Medium | Sandhiya, Indhu |
| Sprint-4 | Model deployment | USN-10 | As an administrator, I can maintain third party services. | 3 | High | Sandhiya, Indhu, Shobika, Jegatha |

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 | 8 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 8 | 29 Oct 2022 |
| Sprint-2 | 4 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 4 | 05 Nov 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 6 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 6 | 19 Nov 2022 |

Velocity:

Imagine we have a ten-days 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).

$$AV = \text{Sprint duration/velocity} = 20/10 = 2$$