

Project Planning Phase

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

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|---------------|------------------------------------|
| Date | 19 October 2022 |
| Team ID | PNT2022TMID04437 |
| Project Name | Project – Plasma Donor Application |
| 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 will be able to register to application for both donor and requester | 2 | High | Preethi Ponmathi Rishika |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application for both donor and requester | 2 | Medium | Preethi Ponamathi Rishika |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password for both donor and requester | 1 | Medium | Preethi Nivanjitha Ponamathi |
| Sprint-2 | Dashboard | USN-4 | As user, I can view the dashboard and search for donor or needer | 2 | High | Preethi Nivanjitha Ponmathi Rishika |
| Sprint-3 | Request Plasma | USN-5 | As a user, I will request Plasma from Plasma donor or I will request to donate the plasma to needer | 2 | High | Preethi Nivanjitha Ponmathi Rishika |
| Sprint-4 | Updating | USN-6 | As a admin, I can update plasma donor's donation information | 2 | Medium | Preethi Nivanjitha Ponamathi Rishika |
| Sprint-4 | Notification | USN-7 | As a user, I should get notified if donor accepts or rejects the request. If accepts contact with donor | 2 | Low | Nivanjitha Preethi Rishika |

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)

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

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.

