# Project Planning Phase

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

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|---|---|
| Date | 2 November 2022 |
| Team ID | PNT2022TMID25132 |
| Project Name | Plasma Donor Application |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4Marks)**

| Sprint | Functional Requirement (Epic) | User Story Number | User Story/Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Registration | USN-1 | A user can register for the application by entering their email, password, and confirming the password. | 3 | High | Udhayakumar L |
| | Email verification | USN-2 | A user will receive confirmation e-mail once they have registered for the application. | 3 | High | Vasudevdan R |
| | Login | USN-3 | A user can log in and enter the application by proceeding with email &password. | 2 | High | Naveen Akshi D |
| | Donor/Recipient Profile | USN-4 | A user is able to register themselves as verified plasma donor or a recipient. | 3 | High | Vishnu S |
| Sprint-2 | Virtual Certificate | USN-5 | A user will get a virtual donation certificate after a verified successful Plasma donation. | 2 | Medium | Udhayakumar L |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story/Task | Story Points | Priority | Team Members |
|--------|-------------------------------|-------------------|-----------------|--------------|----------|--------------|
| | Plasma Request | USN-6 | A verified clinic can make a Plasma request through the application. | 3 | High | Vasudevan R |
| | Verification of Donor's details | USN-7 | We the administrators will verify the details provided by the donor/ recipient are correct for a genuine Plasma donation or plasma recipient. | 2 | Medium | Naveen Akshi D |
| Sprint-3 | Accept the donation request | USN-8 | A user and a registered donor will get a notification to accept the plasma request for their specific blood type. | 3 | High | Vishnu S |
| | Communication Channel | USN-9 | A patient is able to communicate with the donor personally within the application. | 3 | Medium | Udhayakumar L |
| | Share Location | USN-10 | A user and a registered donor is able to share their location with the recipient after accepting their Plasma request. | 3 | Medium | Vasudevan R |
| | Administrator | USN-11 | An admin will store the registered donors and recipients details after their verification into the database. | 3 | High | Naveen Akshi D |
| Sprint-4 | Support | USN-12 | A user is able to ask basic question Related to plasma donation/ Plasma recipient with the help of chat-bot. | 2 | Medium | Vishnu S |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story/Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| | About | USN-13 | A new user can use the About page to know information and details related to Plasma donation and benefits. Also the details of Plasma. | 2 | Medium | Udhayakumar L<br><br>Vasudevan R |
| | Administrator | USN-14 | An admin will approve all the Plasma transaction in the application after every proper verification and will update the Plasma availability and donors count periodically. | 3 | High | Naveen Akshi D<br>Vishnu S |

**Project Tracker, Velocity & Burn down Chart:(4Marks)**

| 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 | 18 | 03 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 18 | 15 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 18 | 21 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= Sprint Duration/ Velocity=24/20= 1.2*

**Total number of days = sprint1 +sprint2+ sprint3+ sprint4 = 6 +6+ 6+6 = 24**

**Total number of story points = 18 +20+ 18+ 18 = 74**

**Average velocity per sprint = 74/24**

**~ = 3.083333**

**= 3**

**Burn down 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 overtime.**

## Burndown Chart



Estimated Burn down Chart