# Project Planning Phase

| Date | 31 October 2022 |
|---|---|
| Team ID | PNT2022TMID53020 |
| Project Name | Project-Plasma Donor Application |
| Maximum Marks | 8 Marks |

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

Here, the receivers are the hospitals who request if there is any shortage of plasma in their respective blood bank.

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Point | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Registration | USN-1 | As a donor, I can register for the application by entering my email /Phone number, password, and confirming my password. | 3 | High | Varun, Srivishnu |
| Sprint-1 | Login | USN-2 | Registered donor can log into the application by entering donor email & password | 3 | High | Varun, Srivishnu |
| Sprint-2 | Verification | USN-3 | As a donor, I can enter my details to check the donor eligibility criteria including aadhar card; | 2 | Medium | Abhishek |
| Sprint-3 | Dashboard | USN-4 | User can provide their personal details and location | 3 | High | Thushita |
| Sprint-4 | Acceptance | USN-5 | User can accept their willingness to donate plasma | 2 | Medium | Thushita , Abhishek |
| Sprint-1 | Registration | USN-1 | As a hospital receptionist, I can register for the application by entering my email /Phone number, password, and confirming my password | 3 | High | Thushita |
| Sprint-2 | Login | USN-2 | Registered hospital receptionist can log into the application by entering receiver email & password | 3 | High | Thushita |
| Sprint-2 | Verification | USN-3 | As a hospital reciptionist, I can enter my details to check the receiver eligibility criteria | 2 | Medium | Abhishek |
| Sprint-4 | Dashboard | USN-4 | User can search the list of available donor | 3 | High | Varun ,Abhishek |
| Sprint-3 | Access | USN-5 | User can access the available donors list ,then they can choose the donor who is nearby to receiver | 2 | Medium | Thushita |
| Sprint-1 | Query System | USN-3 | User can ask their queries via Chabot which is available 24/7 to sort user issues | 1 | Low | Abhishek |

**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 | 10 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 12 | 29 Oct 2022 |
| Sprint-2 | 7 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 12 | 05 Nov 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 12 | 12 Nov 2022 |
| Sprint-4 | 5 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 12 | 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)

$$AV = \text{sprint duration / velocity} = 13.5/6 = 2.25$$

Burndown Chart

13.5

12