

# Project Planning Phase

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

Date	3 November 2022
Team ID	PNT2022TMID43624
Project Name	Plasma Donor Application
Maximum Marks	8 Marks

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

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	<ul style="list-style-type: none"><li>● Rajasubhi ksha</li><li>● Malavika</li><li>● Varun</li></ul>
	Email verification	USN-2	A user will receive confirmation email once they have registered for the application.	3	High	<ul style="list-style-type: none"><li>● Vishnu</li><li>● Malavika</li><li>● Rajasubhi ksha</li></ul>
	Login	USN-3	A user can log in and enter the application by proceeding with email & password.	2	High	<ul style="list-style-type: none"><li>● Vishnu</li><li>● Varun</li></ul>
	Donor/Recipient Profile	USN-4	A user is able to register themselves as verified plasma donor or a recipient.	3	High	<ul style="list-style-type: none"><li>● Varun</li><li>● Malavika</li></ul>
Sprint-2	Virtual Certificate	USN-5	A user will get a virtual donation certificate after a verified successful Plasma donation.	2	Medium	<ul style="list-style-type: none"><li>● Rajasubhi ksha</li><li>● Vishnu</li></ul>

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	<ul style="list-style-type: none"> <li>● Malavika</li> <li>● Varun</li> <li>● Rajasubhi ksha</li> </ul>
	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	<ul style="list-style-type: none"> <li>● Vishnu</li> <li>● Rajasubhi ksha</li> <li>● Varun</li> </ul>
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	<ul style="list-style-type: none"> <li>● Malavika</li> <li>● Rajasubhiksha</li> </ul>
	Communication Channel	USN-9	A patient is able to communicate with the donor personally within the application.	3	Medium	<ul style="list-style-type: none"> <li>● Varun</li> <li>● Vishnu</li> </ul>
	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	<ul style="list-style-type: none"> <li>● Malavika</li> <li>● Varun</li> <li>● Rajasub hiksha</li> </ul>
	Administrator	USN-11	An admin will store the registered donors and recipients details after their verification into the database.	3	High	<ul style="list-style-type: none"> <li>● Vishnu</li> <li>● Varun</li> <li>● Rajasubhi ksha</li> </ul>
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	<ul style="list-style-type: none"> <li>● Vishnu</li> <li>● Malavika</li> </ul>

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	<ul style="list-style-type: none"> <li>● Rajasubiksha</li> <li>● varun</li> <li>● Malavika</li> </ul>
	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	<ul style="list-style-type: none"> <li>● Varun</li> <li>● Malavika</li> <li>● Vishnu</li> </ul>

#### 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 EndDate)	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)

**Total number of days = sprint 1 + sprint 2 + sprint 3 + sprint 4 = 6 + 6 + 6 + 6 = 24**

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

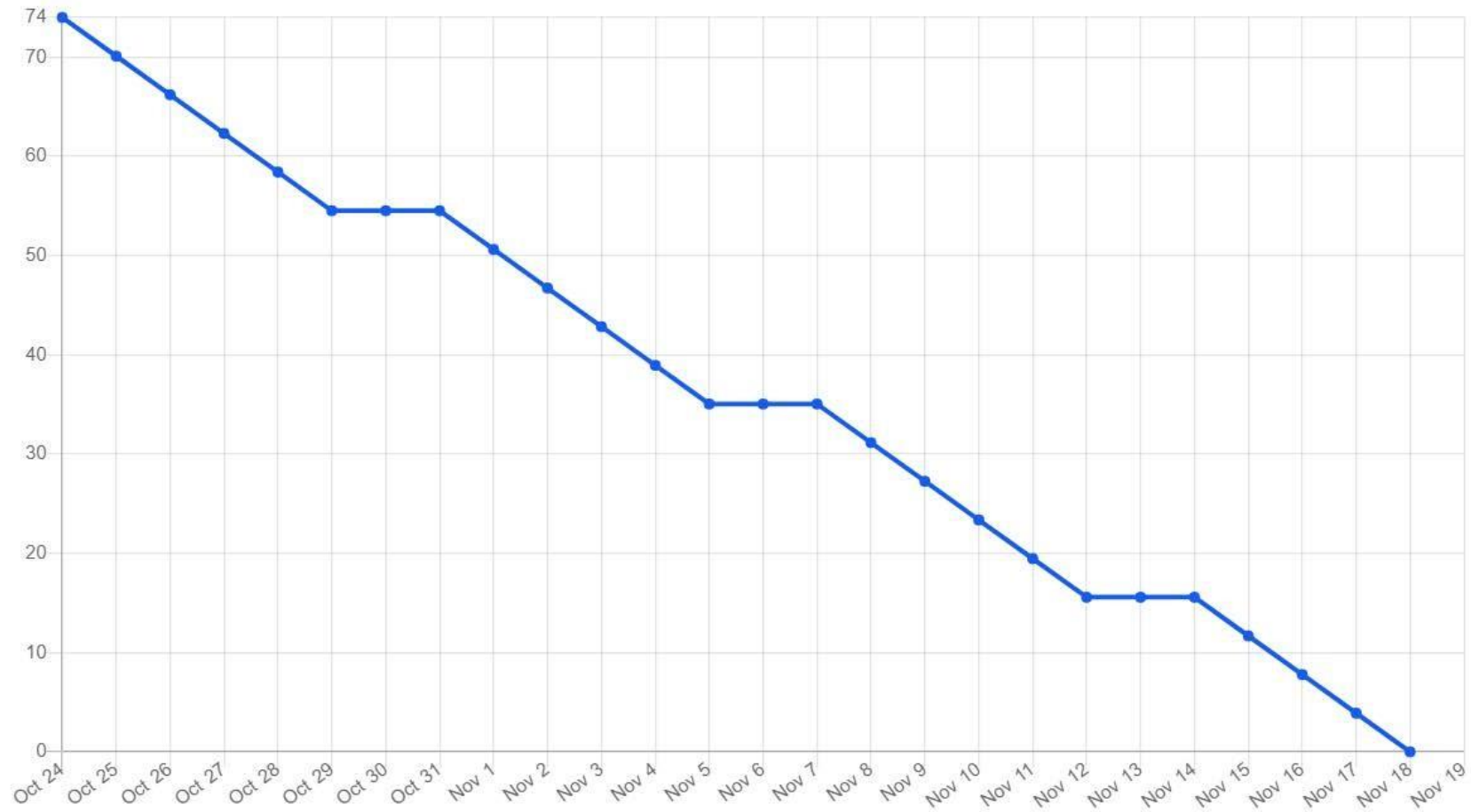
**Average velocity per sprint = 74 / 24**

**≈ 3.083333**

**= 3**

## Burndown Chart:

Burndown Chart



Estimated Burndown Chart