

# Project Planning Phase

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

Date	2 November 2022
Team ID	PNT2022TMID43621
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>● Praveen Kumar</li><li>● Mridula</li><li>● Saranraj</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>● Arun</li><li>● Fenisha Princess</li><li>● Mridula</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>● Fenisha Princess</li><li>● Arun</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>● Arun</li><li>● Mridula</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>● Fenisha Princess</li><li>● Saranraj</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>● Fenisha Princess</li> <li>● Arun</li> <li>● Saranraj</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>● Mridhula</li> <li>● Arun</li> <li>● Fenisha Princess</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>● Praveen Kumar</li> <li>● Saranraj</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>● Mridula</li> <li>● Fenisha Princess</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>● Arun</li> <li>● Praveen Kumar</li> <li>● Fenisha Princess</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>● Arun</li> <li>● Fenisha Princess</li> <li>● Mridula</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>● Saranraj</li> <li>● Fenisha Princess</li> <li>● Arun</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>● Praveen Kumar</li> <li>● Saranraj</li> <li>● Mridula</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>● Arun</li> <li>● Fenisha Princess</li> <li>● Praveen Kumar</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)

$$AV = \text{Sprint Duration} / \text{Velocity} = 24 / 20 = 1.2$$

**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:** 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.



Estimated Burndown Chart