

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

Date	18 October 2022
Team ID	PNT2022TMID39311
Project Name	Project – 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	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Sanjay J, Dinesh S
Sprint-1	Email verification	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Arul Niranjan V, Thiruvankadachumar L
Sprint-1		USN-3	As a user, I can register for the application through Google	2	Medium	Sanjay J
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Arul Niranjan V
Sprint-1	Donor Profile	USN-5	As a user, I can able to register me as a verified donor for plasma.	3	High	Dinesh S, Thiruvankadachumar L
Sprint-2	Dashboard / Statistics	USN-6	As a user, I can able to see the statistics of plasma availability, donor count on my dashboard.	5	High	Sanjay J, Thiruvankadachumar L
Sprint-2	Virtual Donor Card	USN-7	As a user, I can able to get a virtual donor card after a verified successful plasma donation.	3	Medium	Dinesh S, Arul Niranjan V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Plasma Request	USN-8	As a user, I can able to make a plasma request in the application	5	High	Sanjay J, Arul Niranjan V, Thiruvankadachandrasekhar L
Sprint-2	Verification of Donor's details	USN-9	As an admin, I will verify the details provided by the donors so only the genuine donors can able to use the application	2	Medium	Sanjay J, Dinesh S
Sprint-2		USN-10	As a user, I will upload my COVID-19 recovery certification in order to become a verified registered donor	5	High	Sanjay J, Arul Niranjan V
Sprint-3	Accept the donation request	USN-11	As a user and a registered donor, I will accept the plasma request for my specific type	5	High	Arul Niranjan V, Thiruvankadachandrasekhar L
Sprint-3	Donation Appointment	USN-12	As a user and a volunteer donor, I can able to book an appointment for donation after accepting the plasma request	3	High	Sanjay J, Arul Niranjan V
Sprint-3	Communication Channel	USN-13	As a user, I can able to communicate with the donor personally within the application	3	Medium	Dinesh S, Thiruvankadachandrasekhar L
Sprint-3		USN-14	As a user and a registered donor, I can able to share my location with the recipient after accepting their plasma request	2	Medium	Dinesh S, Arul Niranjan V
Sprint-3	Administrator	USN-15	As an admin, I will store the registered donor details after verification into the database and maintain it periodically	5	High	Sanjay J, Thiruvankadachandrasekhar L
Sprint-4	Support	USN-16	As a user, I can able to ask my doubts and basic question related to plasma donation to the help chat-bot	2	Medium	Sanjay J, Dinesh S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-17	As a user, I will clarify the answers for the frequently asked question about the plasma donation in the FAQ section	5	High	Arul Niranjan V, Thiruvankadakumar L
Sprint-4	About	USN-18	As a user and if I am new to plasma donation, I can read about the plasma and plasma donation in dedication about section	3	Medium	Dinesh S, Thiruvankadakumar L
Sprint-4	Administrator	USN-19	As an admin, I will approve all the plasma transaction in the application after the proper verification	5	High	Sanjay J, Arul Niranjan V
Sprint-4		USN-20	As an admin, I will update the plasma availability and donors count periodically	3	Medium	Thiruvankadakumar L, Dinesh S

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	18	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	18	12 Nov 2022
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	18	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)

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)	Average Velocity (AV) = Sprint duration / velocity
Sprint-1	18	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022	3
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022	3.33
Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	18	12 Nov 2022	3
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	18	19 Nov 2022	3

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

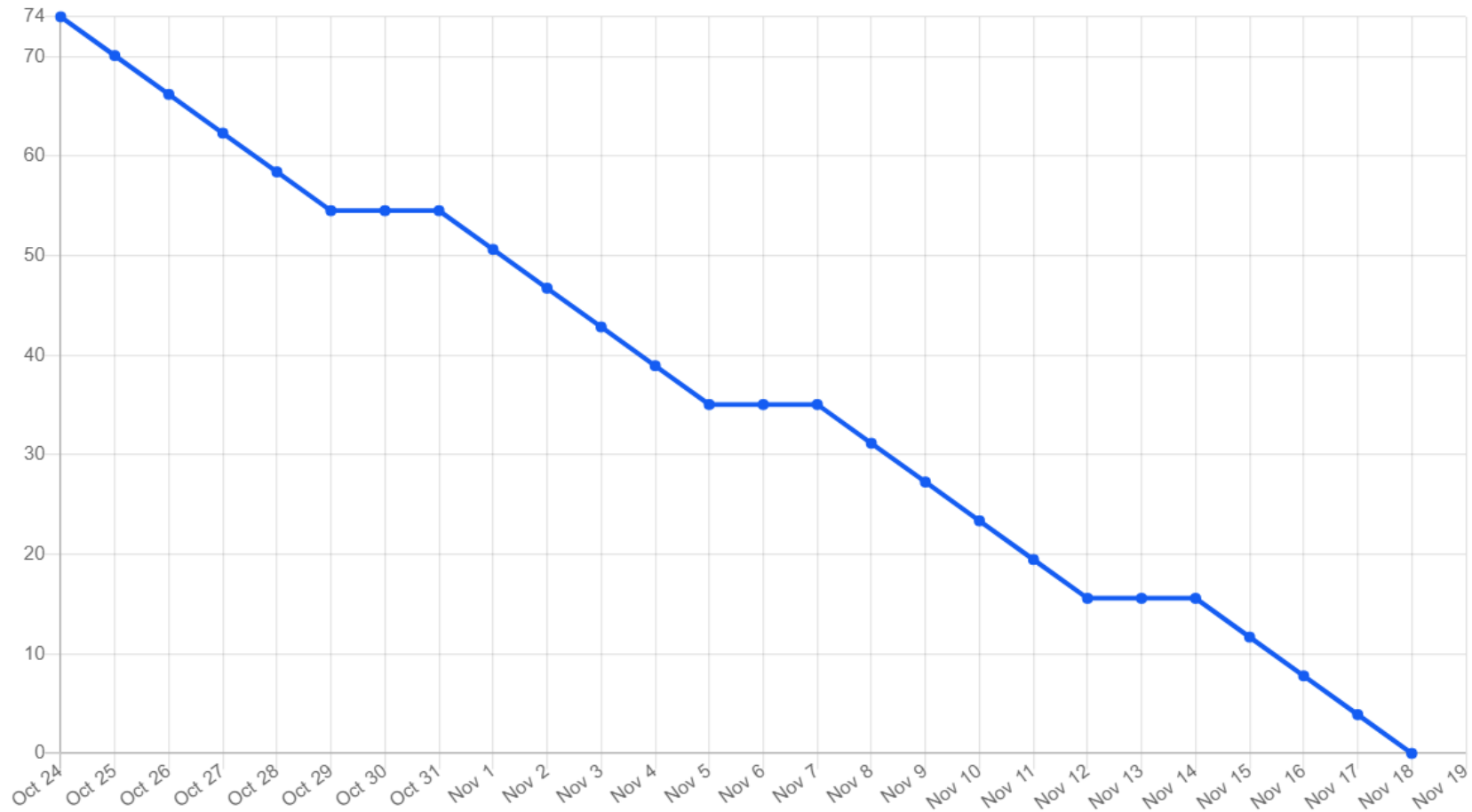
Average velocity per sprint = 74 / 24

≈ 3.083333

= 3

Burndown Chart:

Burndown Chart



Estimated Burndown Chart