

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53045
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.	2	High	Abinash
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	Medium	Gokhul
Sprint-2		USN-3	As a user, I can register for the application through Gmail	5	Medium	Gokhul, Aswin
Sprint-3		USN-4	As a user, I can register for the application through LinkedIn	5	Low	Krupa
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email and password	1	High	Guhabpriyaa
Sprint-3		USN-6	As a user, I can reset my password using Forgot Password option	2	Low	Abinash
Sprint-2	Dashboard	USN-7	As a user, I can view my profile and edit my details	2	Medium	Guhabpriyaa
Sprint-4		USN-8	As a user, I can view my past requests for plasma donation	1	Low	Aswin, Abinash
Sprint-4		USN-9	As a user, I can close past requests I made for plasma	2	Low	Aswin, Abinash
Sprint-1	Home Page	USN-10	As a user, I can view the homepage of the website and look up general plasma treatment information	1	Low	Aswin
Sprint-1	Register as Donor	USN-11	As a user, I can register as a donor by submitting a form and uploading certificate of recovery from Covid-19	3	High	Krupa

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Send Request	USN-12	As a user, I can raise a request for plasma donation with specific requirements	2	High	Aswin, Abinash
Sprint-3	View Requests	USN-13	As a user, I can view requests for plasma donation verified by admin	1	Medium	Gokhul
Sprint-3	Report User	USN-14	As a user, I can report malicious users	1	Low	Guhabpriyaa
Sprint-1	Login	USN-15	As an admin, I can log into the application by entering email and password	1	High	Guhabpriyaa
Sprint-3		USN-16	As an admin, I can reset my password using Forgot Password option	2	Low	Abinash
Sprint-4	Maintenance	USN-17	As an admin, I can maintain the databases involved	1	Medium	Guhabpriyaa
Sprint-4	Verify Donor	USN-18	As an admin, I can verify the Covid-19 Negative certificates uploaded by donors	5	Medium	Krupa, Guhabpriyaa
Sprint-2	Handle Requests	USN-19	As an admin, I can view all requests for plasma donation	1	High	Krupa
Sprint-3		USN-20	As an admin, I can accept or reject requests for plasma on the basis of user reports	2	Low	Aswin
Sprint-4		USN-21	As an admin, I can delete requests that are past some time period or have been closed	3	Low	Gokhul
Sprint-2	Search for Donor	USN-22	As an admin, I can search for suitable donors in the database based on requests received	2	High	Aswin, Gokhul
Sprint-2	Raise Request	USN-23	As an admin, I can raise verified requests for plasma donation to active users	2	High	Abinash

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

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

#### Burndown Chart:

A burndown 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

#### Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>