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

Date	27 October 2022
Team ID	PNT2022TMID48189
Project Name	Project – Plasma Donor Application
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

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.	8	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-2		USN-3	As a user, I can register for the application through Facebook	8	Low	Aarthi S Afrinfathima A Afrafathima K Kavipriya P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-4	As a user, I can register for the application through Gmail	8	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	10	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-2	Dashboard	USN-6	As a user , I can search the blood group for which I need plasma.	7	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-2	Dashboard	USN-7	As a user, I can see login page and registration page for which the user login and searches for the required blood group plasma.	8	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-3	Dashboard	USN-8	As a customer care executive, I can solve the queries of the users.	9	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Registration	USN-9	As an Administrator, I can view the database of the registered users.	7	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P

Sprint-4	Dashboard	USN-10	As an Administrator, I can view how many members need what kind of blood group for plasma.	9	Low	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-4	Dashboard	USN-11	In addition to the customer care executive. I can solve all the queries of the donors as well as the recipient.	5	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-1	Home Page	USN-12	As a user, I can view the homepage of the website and look up general plasma treatment information	5	Low	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-1	Send Request	USN-13	As a user, I can raise a request for plasma donation with specific requirements.	6	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-3	View Request	USN-14	As a user, I can view requests for plasma donation verified by admin	8	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P
Sprint-4	Maintenance	USN-15	As an admin, I can maintain the databases involved	5	Medium	Aarthi S Afrinfathima A Afrafathima K Kavipriya P

Sprint-2	Search for Donor	USN-16	As an admin, I can search for suitable donors in the database based on requests received.	7	High	Aarthi S Afrinfathima A Afrafathima K Kavipriya P

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

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

Sprint	Average Velocity
Sprint-1	6.5
Sprint-2	8
Sprint-3	7.6
Sprint-4	8.5

Total Average Velocity =7.65

BURNDOWN CHART:

Burndown Chart