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

Date	18 October 2022
Team ID	PNT2022TMID02899
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	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Gaunisha Gaanavi G
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Akshayaa D
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	2	High	Divya G S
Sprint-2	Dashboard	USN-4	As a user, I can view my dashboard on successful login	2	Medium	Gayathri J S
Sprint-2	Chatbot	USN-5	As a recipient, I can track my nearby donors	1	High	Akshayaa D
Sprint-2		USN-6	As a user, I want to get responsive messages to clear my doubts	1	Medium	Divya G S
Sprint-3	Navigation	USN-7	As a donor, I can check my medical eligibility	3	Medium	Gaunisha Gaanavi G
Sprint-3		USN-8	As a recipient, I can access the location of my donor	2	Medium	Gayathri J S
Sprint-3		USN-9	As a recipient, I can group the donor based on blood type and availability	2	High	Gaunisha Gaanavi G
Sprint-4		USN-10	As a donor I can accept the donation request	3	High	Gayathri J S
Sprint-4		USN-11	As a recipient, I can verify the donors medical fitness	3	High	Akshayaa D
Sprint-4		USN-12	As a admin, I can view the frequent donors	3	Medium	Divya G S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

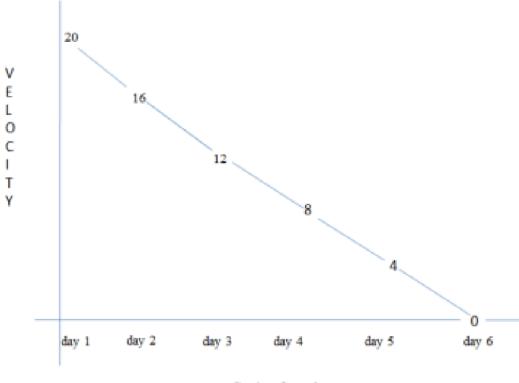| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	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)

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

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.