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

Date	13 November 2022
Team ID	PNT2022TMID32215
Project Name	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.	2	High	Logajith
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Arjun, Sivaharish
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Nandhini, Logajith
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Logajith, Arjun
Sprint-2	Dashboard	USN-5	As a user, I can search the blood group for which I need plasma	2	Medium	Sivaharish
Sprint-2		USN-6	As a user, I want to enter/update my medical and contact information	1	Low	Nandhini, Arjun, Sivaharish
Sprint-3	Receive Alerts	USN-7	As a user, I can raise a request for plasma donation with specific requirements.	2	High	Nandhini
Sprint-3	Request Plasma	USN-8	As a user, I can view requests for plasma donation verified by admin	1	High	Arjun
Sprint-4	Chatbot	USN-9	As a user, I must be able to clarify my queries	2	Low	Nandhini, Arjun, Sivaharish

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Final Deliverables	USN-10	Final Deliverables are the extras that we wish to deliver to the user your better experience	2	High	Logajith

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.