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

Date	18 October 2022
Team ID	PNT2022TMID12996
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	Gowtham Pranavh
		USN-2	As a user, I will receive a confirmation email which will successfully complete my registration procedure on the application	5	High	Kevin Darshan
	Login	USN-3	As a user, I should be able to login with my existing credentials and my profile should be retained	5	High	Gowtham Darshan
Sprint-2	Request creation	USN-4	As a patient, I can create requests for plasma donation for donors to see and respond to	10	High	Gowtham Darshan Kevin Pranavh
	Donor creation	USN-5	As a donor, I should be able to enter my details and other health related information to show interest in donating plasma	5	High	Kevin Gowtham
	Request verification	USN-6	As a admin, I must verify the validity of each requests to ensure resources are not wasted, by contacting patient or hospital	5	High	Darshan Pranavh
Sprint-3	Donor acceptance	USN-7	As a donor, I can accept requests that match my details and contact the patient or hospital to initiate donation	10	High	Gowtham Darshan Kevin Pranavh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Contact details sharing	USN-8	As a user, the donor contact will be shared to patient, and patient contact to donor for further communication	10	High	Gowtham Darshan Kevin Pranavh
Sprint-4	Chatbot	USN-9	As a user of the application, I can avail guidance on how to use the app and the functionalities from the chatbot	4	Medium	Gowtham Kevin
	Contact us	USN-10	As a user, I should have the option to provide feedback and contact the support team to convey the issues experienced while using the app	4	Medium	Darshan Pranavh

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	15	6 Days	24 Oct 2022	29 Oct 2022	15	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	35	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	55	07 Nov 2022
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	63	14 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	1	2	3	4
Total Story Points	15	20	20	8
Duration	6 Days	6 Days	6 Days	6 Days
Average Velocity	15/6 = 2.5	20/6 = 3.3	20/6 = 3.3	8/3 = 2.7

Average Velocity per Sprint = $\frac{15 + 20 + 20 + 8}{24}$ **= 2.625 ~ 2.6**

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.

Sprint Burndown Chart