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

Date	18 October 2022
Team ID	PNT2022TMID35176
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	The user can register for the application by entering my email, password, and confirming my password.	3	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Email verification	USN-2	The user will receive confirmation email once he/she have registered for the application	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1		USN-3	The user can register for the application through Gmail	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Login	USN-4	The user can log into the application by entering email & password	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-1	Dashboard	USN-5	The user can view their profile once they log in to the application	3	High	Akshara M S Ramya S Harini E R Keerthana A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Authentication System	USN-6	Admins authenticate users using flask application	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Certification	USN-7	Donor(User) will receive a virtual certificate after successful donation.	2	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Request for Plasma	USN-8	A Plasma request can be made by the recipient in need	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-2	Verification of Details	USN-9	The donor details will be verified by the system administrators.	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Acceptation of request	USN-10	The verified donor will be displayed an image of plasma request for the specific plasma type	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Transferring Information	USN-11	The donor and the recipient will be able to transfer information including personal details and location	4	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Integrating chatbot	USN-12	Users can use the chatbot for simple help queries	4	High	Akshara M S Ramya S Harini E R Keerthana A
Sprint-3	Integration with sendgrid	USN-13	Verification and confirmation mail for both donor and recipient	4	High	Akshara M S Ramya S Harini E R Keerthana A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Dockerizing	USN-14	Dockerizing the application	3	Medium	Akshara M S Ramya S Harini E R Keerthana A
Sprint-4	Updation	USN-15	Admin can update the donor plasma availability ,push request and maintain the database.	4	High	Akshara M S Ramya S Harini E R Keerthana A

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		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	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)
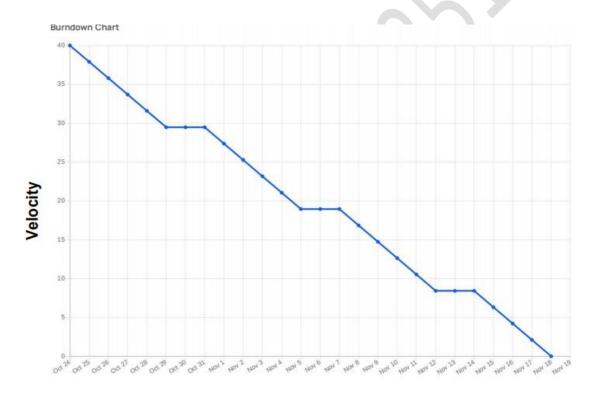
$$AV = \frac{sprint\ duration}{velocity}$$

AVERAGE VELOCITY = 20/6

AVERAGE VELOCITY = 3.34

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.

Burndown Chart