PROJECT PLANNING PHASE
PROJECT PLANNING (Product Backlog, Sprint Planning, Stories, Story points)

Date	4 November 2022
Team ID	PNT2022TMID11415
Project Name	Plasma Donor Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement	User Story Number	User Story/Task	Story Points	Priority	Team Members
sprint1	Registration	USN-1	As a user, I can register for the application by using necessary details	5	High	A.Niranjana N.pradhiksha
sprint1	Login	USN-2	As a user, I can log into the application by entering user id & password	4	High	K.R.Priyadharshini K.G.Priyadharshini
sprint1	Profile	USN-3	As a user, I am able to update and view my profile page.	4	High	A.Niranjana K.S.Sujitha
Sprint-2	Plasma Request	USN-4	As a user, I can place a plasma request or donate plasma.	4	High	N.Pradhiksha K.R.Priyadharshini
sprint2	Verifying Request	USN-5	As a user, I will wait until my request is verified.	5	HIgh	A.Niranjana K.G.Priyadharshini
Sprint-3	Accept the request	USN-6	AS a user, I will wait until the Request is accepted.	4	Medium	K.S.Sujitha K.G.Priyadharshini

sprint-3	Donor Details	USN-7	The details of the volunteered donor are stored in thedatabase.	4	Medium	N.Pradhiksha A.Niranjana
sprint-4	Support	USN-8	As a user, I can chat with a chatbot regarding my queries and doubts.	3	Medium	K.R.Priyadharshini K.S.Sujitha
sprint-4	Certificate and Rewards	USN-9	As a donor, I will receive an e-certificate after donations.Virtual rewards are also provided to the donor.	3	Low	A.Niranjana N.Pradhiksha
Sprint-4	About	USN-10	As a user, I will find about the importance of plasma donation in this section of the application.	3	Medium	K.G.Priyadharshini K.S.Sujitha
Sprint-4	Administrator		We admins will approve all the plasma transaction in the application after proper verification.	3	High	K.R.Priyadharshini K.G.Priyadharshini
Sprint-4	We admins will update the plasma availability and donor count periodically.			3	Medium	

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed(as on planned End Date)	Sprint Release Date(Autual)
Sprint - 1	13	6 Days	24 Oct 2022	29 Oct 2022	13	29 Oct 2022
Sprint - 2	9	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint - 3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint - 4	18	6 Days	14 Nov 2022	19 Nov 2022	18	19 Nov 2022

Velocity:

We have a 6 days sprint duration, and the velocity of the team is 18(Points per sprint), except the Sprint-4 is 20. To calculate the team's average(AV) per iteration unit(Story points per unit)

AV = Sprint Duration/Velocity

=12/6

=2

Number of Sprints	Sprint-1 Sprint-2 Sprint-3 Sprint-4			
Total Story Points	13	9	8	18
Duration	6 Days	6 Days	6 Days	6 Days
Average velocity per Sprint	AV = 13/6 =2.1	AV=9/6=1.5	AV=8/6=1.3	AV=18/6=3

Total Number of Days = Sprint 1+ Sprint 2+ Sprint 3+ Sprint 4 =6+6+6+6 = 24

Total Number of Story Points = 48/24 = 2

Burndown Chart:

A burndown 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.