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

Date	15 November 2022
Team ID	PNT2022TMID11874
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	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-2	Dashboard	USN-1	As a user dashboard will fit comfortably in a page.	1	Low	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-3	Register	USN-1	Blood bank can register a bank name and search for blood donors.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-3	Login	USN-2	Blood bank can login with the credentials to see the list of donors.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Donor List	USN-3	Blood bank can login with the credentials to see the list of donors.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-4	Register	USN-1	Donors can register a bank name and search for blood donors.	2	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-4	Login	USN-2	Donors can login with the credentials to see the list of donors.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P
Sprint-4	Donor List View	USN-3	Blood bank can login with the credentials to see the list of donors.	1	High	Kavya s Keerthana S Gayathri Shree IS Laksita P

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)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprint

$$AV = \quad \frac{}{6} \approx 4$$

Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

	Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
remaining effort	80	70	42	25	13	8	0
ideal effort	80	66.66666667	53.33333333	40	26.66666667	13.33333333	0

BurntDown Chart

Chart with x-axis labels: Day 0, Day 1, Day 2, Day 3, Day 4, Day 5, Day 6
Y-axis labels: 80, 60, 40, 20, 0

Legend: ● remaining effort ● ideal effort