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

Date	09 November 2022
Team ID	PNT2022TMID27128
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	PDA-1	As a Admin, I can Login into the application by entering my email, password.	2	High	Aswini C
Sprint-1		PDA-2	As a Donor, I can register into the application and get verified using OTP and email.	2	Low	
Sprint-2		PDA-3	As a Hospital, I can register with all the proofs asked and verification mail and OTP will be sent to verify it.	2	High	
Sprint-3		PDA-4	Institutions can register into the application and ask for the guidance to organize the plasma donation camps.	2	Low	
Sprint-1	Login	PDA-5	As a Donor, I can Login into the application and help the patients by donating plasma.	2	High	Anusha V
Sprint-2		PDA-6	After registration, Hospital Admin can Login into the application.	2	High	
Sprint-3		PDA-7	Institution can Login and get guidance for organizing plasma donation camps.	2	Low	
Sprint-1	Awareness webpage	PDA-8	Create Awareness page for users to get aware of plasma donation.	3	High	Bala Bharathi S
Sprint - 1	Home Page	PDA-9	Home page for Admin, I can have details of donors , hospitals and institutions.	4	High	Anusha V
Sprint - 1		PDA-10	Home page for donors, I can donate plasma, whenever hospitals needs plasma.	4	High	

Sprint	Feature	ID	Description	Points	Priority	Assignee
Sprint-2	Home Page	PDA-11	Home page for hospitals, they can request for plasma when patients needs.	4	High	Anusha V
Sprint-3		PDA-12	Home page for institutions, I can submit a request to organize a plasma donation camps.	4	Low	
Sprint-4	Connecting the database to IBM DB2	PDA-13	Admin will maintain the donor, hospitals and institutions details and connect frontend with backend to database.	5	High	Abhirami K
Sprint-2	Push Notifications	PDA-14	When there is a need of plasma, Hospital Admin can push the notification.	4	High	Aswini C
Sprint-4	BOT	PDA-15	As a BOT, I will provide interactive communication with the user and provide the information they need.	5	Medium	Bala Bharathi S

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

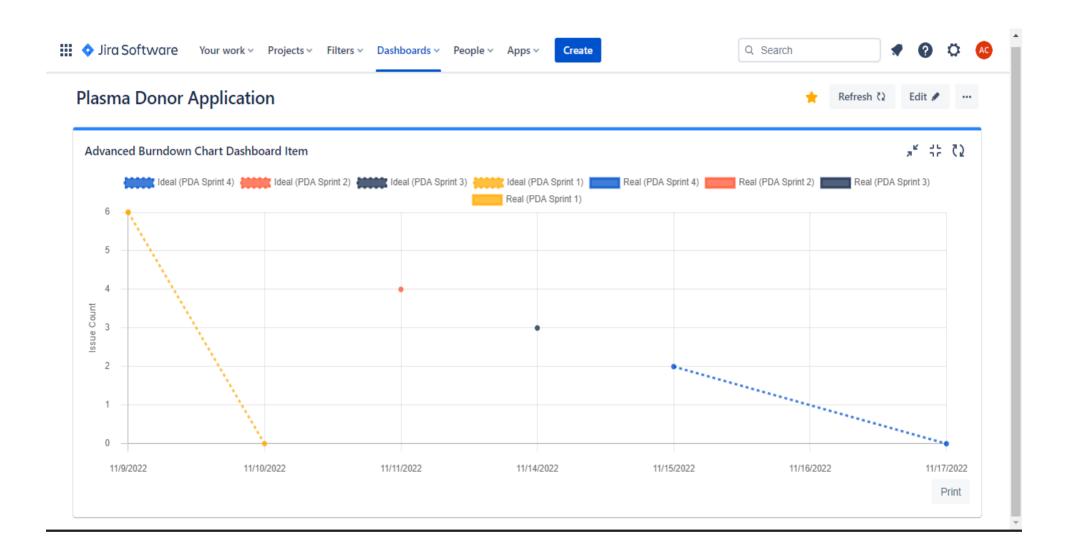| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	17	2 Days	09 Nov 2022	10 Oct 2022		
Sprint-2	12	4 Days	11 Nov 2022	12 Nov 2022		
Sprint-3	8	2 Days	13 Nov 2022	14 Nov 2022		
Sprint-4	10	3 Days	15 Nov 2022	17 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 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.
https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

Plasma Donor Application

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Advanced Burndown Chart Dashboard Item

Legend:
- Ideal (PDA Sprint 4)
- Ideal (PDA Sprint 2)
- Ideal (PDA Sprint 3)
- Ideal (PDA Sprint 1)
- Real (PDA Sprint 4)
- Real (PDA Sprint 2)
- Real (PDA Sprint 3)
- Real (PDA Sprint 1)

Y-axis: Issue Count (0–6)
X-axis: 11/9/2022, 11/10/2022, 11/11/2022, 11/14/2022, 11/15/2022, 11/16/2022, 11/17/2022

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		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Sprints

PDA Spri...   PDA Spri...   PDA Spri...   PDA Sprint 4

> ⚡ PDA-7 Registration

> ⚡ PDA-12 Login

> ⚡ PDA-16 Awareness webpage

> ⚡ PDA-18 Home Page

> ⚡ PDA-23 Connecting the database to IBM DB2

> ⚡ PDA-25 Push Notifications

> ⚡ PDA-27 BOT