

Project Planning Phase

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

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|---------------|------------------------------------|
| Date | 09 November 2022 |
| Team ID | PNT2022TMID02921 |
| 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 | Kabiles S |
| 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 | Marvan S |
| 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 | Loganathan M |

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|------------|-----------|--------|---|---|------|--------------|
| Sprint - 1 | Home Page | PDA-9 | Home page for Admin, I can have details of donors , hospitals and institutions. | 4 | High | Loganathan M |
| Sprint - 1 | | PDA-10 | Home page for donors, I can donate plasma, whenever hospitals needs plasma. | 4 | High | |

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|----------|------------------------------------|--------|--|---|--------|------------|
| Sprint-2 | Home Page | PDA-11 | Home page for hospitals, they can request for plasma when patients needs. | 4 | High | Pramoth R |
| 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 | Marvan S |
| Sprint-2 | Push Notifications | PDA-14 | When there is a need of plasma, Hospital Admin can push the notification. | 4 | High | Kabilesh S |
| Sprint-4 | BOT | PDA-15 | As a BOT, I will provide interactive communication with the user and provide the information they need. | 5 | Medium | Pramoth R |

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 | 2 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)

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

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.

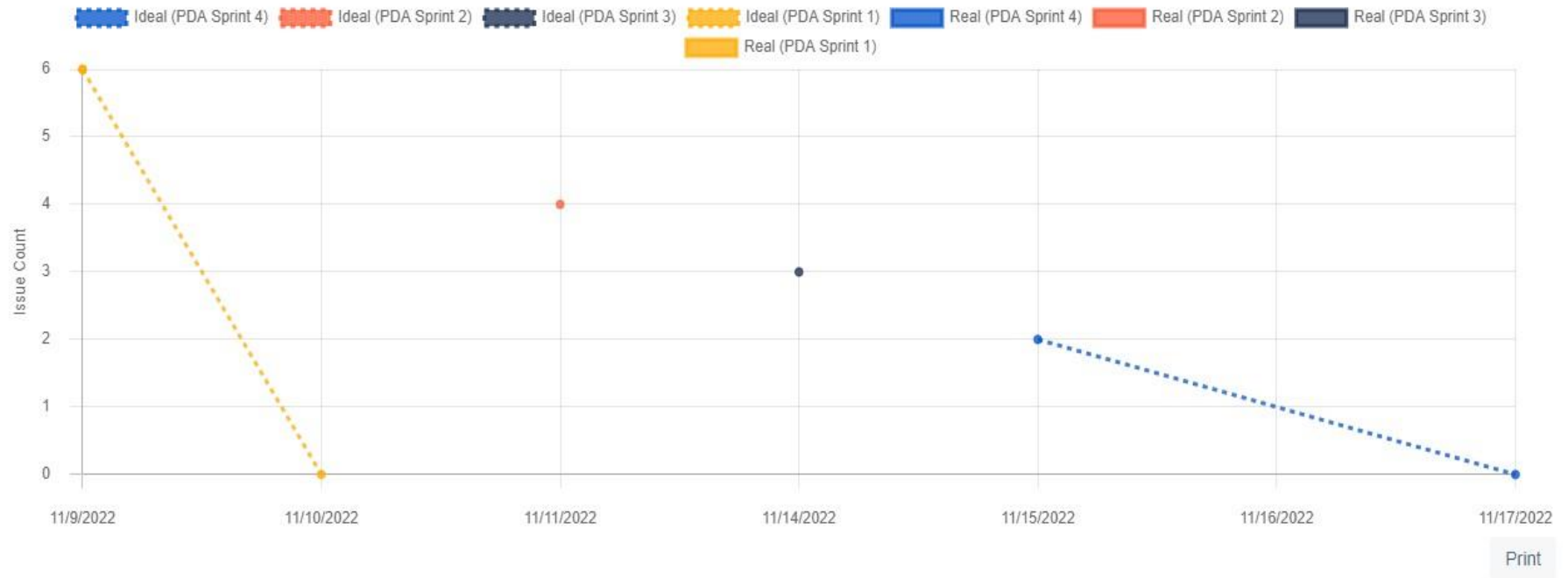
<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

Plasma Donor Application

★ Refresh ↺ Edit ✎ ⋮

Advanced Burndown Chart Dashboard Item

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