Project Planning Phase

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

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| --- | --- |
| Date | 23 October 2022 |
| Team ID | PNT2022TMID43983 |
| 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 or mobile no, password, and  confirming my password. | 3 | High | Velmurugan  ,Sivakumar |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | Srinath, Jayaram |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 3 | High | Velmurugan, Sivakumar |
| Sprint-1 |  | USN-4 | As an admin, I can log in to the admin panel. | 3 | High | Srinath, Jayaram |
| Sprint-2 | Dashboard | USN-5 | As a receiver, I can create request for a plasma | 3 | High | Velmurugan, Sivakumar |
| Sprint-2 |  | USN-6 | As a donor, I can check the plasma the requests posted. | 3 | High | Srinath, Jayaram |
| Sprint-2 | Verification | USN-7 | As an admin , I need to verify the users and hospitals. | 2 | Medium | Velmurugan  ,Sivakumar |
| Sprint-2 | Dashboard | USN-8 | As an admin ,I can create requests and place them on priority. | 3 | High | Srinath, Jayaram |
| Sprint-3 | Registration | USN-9 | As a user, I can register for the application through different SSO’s. | 1 | Low | Velmurugan, Sivakumar |
| Sprint-3 | History | USN-10 | As a user, I can see my history of donating or requesting plasma. | 1 | Low | Srinath, Jayaram |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Dashboard | USN-11 | As a hospital, I can raise notifications about the upcoming plasma donation drives. | 2 | Medium | Velmurugan, Sivakumar |
| Sprint-4 |  | USN-12 | As a user, I can interact with chatbot incase of queries. | 1 | Low | Srinath, Jayaram |
| Sprint-4 |  | USN-13 | As a donor, I can download the plasma donation certificate | 2 | Medium | Velmurugan, Sivakumar |
| Sprint-4 |  | USN-14 | As an admin, I can remove suspicious users. | 3 | High | Srinath,  Jayaram |

# 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 | 12 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 12 | 29 Oct 2022 |
| Sprint-2 | 11 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 11 | 05 Nov 2022 |
| Sprint-3 | 4 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 4 | 12 Nov 2022 |
| Sprint-4 | 6 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 6 | 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)



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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End**  **Date)** | **Sprint Release Date (Actual)** | **Average Velocity (AV)** |
| Sprint-1 | 12 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 12 | 29 Oct 2022 | 2 |
| Sprint-2 | 11 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 11 | 05 Nov 2022 | 1.83 |
| Sprint-3 | 4 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 4 | 12 Nov 2022 | 0.66 |
| Sprint-4 | 6 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 6 | 19 Nov 2022 | 1 |

Total no of days = 6+6+6+6

= 24

Total Story points = 12+11+4+6

= 33

Average Velocity per Sprint = 33/24

= 1.375

# 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

