Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID11597 |
| 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 | Donor Registration | USN-1 | As a user, I can register in the donor application by entering my name, phone no,  Email id, blood group, Aadhar no | 20 | High | Rakesh, Yogeshwaran |
| Sprint-1 | Login | USN-2 | As an admin, I can log into the application by entering email & password | 20 | High | Rakesh, Yogeshwaran |
| Sprint-1 | View Donor List | USN-5 | As a user, I can view all the donor list and contact them directly | 20 | High | Rakesh, Yogeshwaran |
| Sprint -2 | Confirmation | USN-3 | As a user, I can receive confirmation mail. | 20 | Medium | Ranjith, Praveen, Surya Prakash |
| Sprint - 2 | Dashboard | USN-4 | As a user, I can view dashboard and select | 20 | Medium | Ranjith, Praveen, Surya Prakash |
| Sprint-2 | Search Donor | USN-6 | As a user, I can search for the donor | 20 | Medium | Ranjith, Praveen, Surya Prakash |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Modify data | USN-7 | As an admin, I can modify the User data. | 20 | High | Praveen, Surya Prakash, Rakesh |
| Sprint-3 | Send mail | USN-8 | As a user, I can send mail to donors using SendGrid. | 20 | High | Praveen, Surya Prakash, Rakesh |
| Sprint-4 | Home page | USN-9 | As a user I can view the home page and select the desired option. | 20 | Medium | Ranjith, Yogeshwaran |

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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 5 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 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)



Velocity:

Sprint 1: 1 user story x 20 story points = 20

Sprint 2: 1 user story x 20 story points = 20

Sprint 3: 1 user story x 20 story points = 20

Sprint 4: 1 user story x 20 story points = 20

**Total = 80**

**Average sprint velocity is 80/4 = 20**

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 o

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

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management> <https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software> <https://www.atlassian.com/agile/tutorials/epics> <https://www.atlassian.com/agile/tutorials/sprints> <https://www.atlassian.com/agile/project-management/estimation> <https://www.atlassian.com/agile/tutorials/burndown-charts>