

Project Planning Phase

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

| | |
|---------------|------------------------------------|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID27000 |
| 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 | 9 | High | Team Lead (Tamil Thendral M) |
| Sprint-1 | Login | USN-2 | As a admin, I can log into the application by entering email & password | 9 | High | Team Lead |
| Sprint-1 | Chatbot | USN-3 | As a user I can ask query in chatbot. | 2 | Medium | Team Lead |
| Sprint -2 | Confimation | USN-4 | As a user, I can receive confirmation mail. | 4 | Medium | Team Lead |
| Sprint - 2 | Dashboard | USN-5 | As a user, I can view dashboard and select | 5 | Medium | Team Member 1 |
| Sprint-2 | View Donor List | USN-6 | As a user, I can view all the donor list and contact them directly | 9 | High | Team Lead |

| | | | | | | |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|--|
| Sprint-2 | Search Donor | USN-7 | As a user, I can search for the donor | 9 | Medium | Team Lead |
| Sprint-3 | About us | USN-8 | As a User, I can view the about us page which contains all contact information | 5 | Medium | Team Member 2 |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-3 | Modify data | USN-9 | As a admin, I can modify the User data. | 9 | High | Team Lead |
| Sprint-3 | Send mail | USN-10 | As a user, I can send mail to donors using sendgrid. | 9 | High | Team Lead Team Member 3 Team Member 1 |
| Sprint-3 | Home page | USN-11 | As a user I can view the home page and select the desired option. | 9 | Medium | Team Lead Team Member 1 Team Member 2 Team Member 3 |
| Sprint -4 | Send Query | USN-12 | As a user I can ask my query through email. | 9 | Medium | Team Lead Team Member 3 |
| Sprint-4 | Download data | USN-13 | As a admin I can download the user data | 9 | High | Team Lead |

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)

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

Velocity:

AV=20/6=3.333...

Sprint 1(AV)= 3.34

Sprint 2(AV)= 3.34

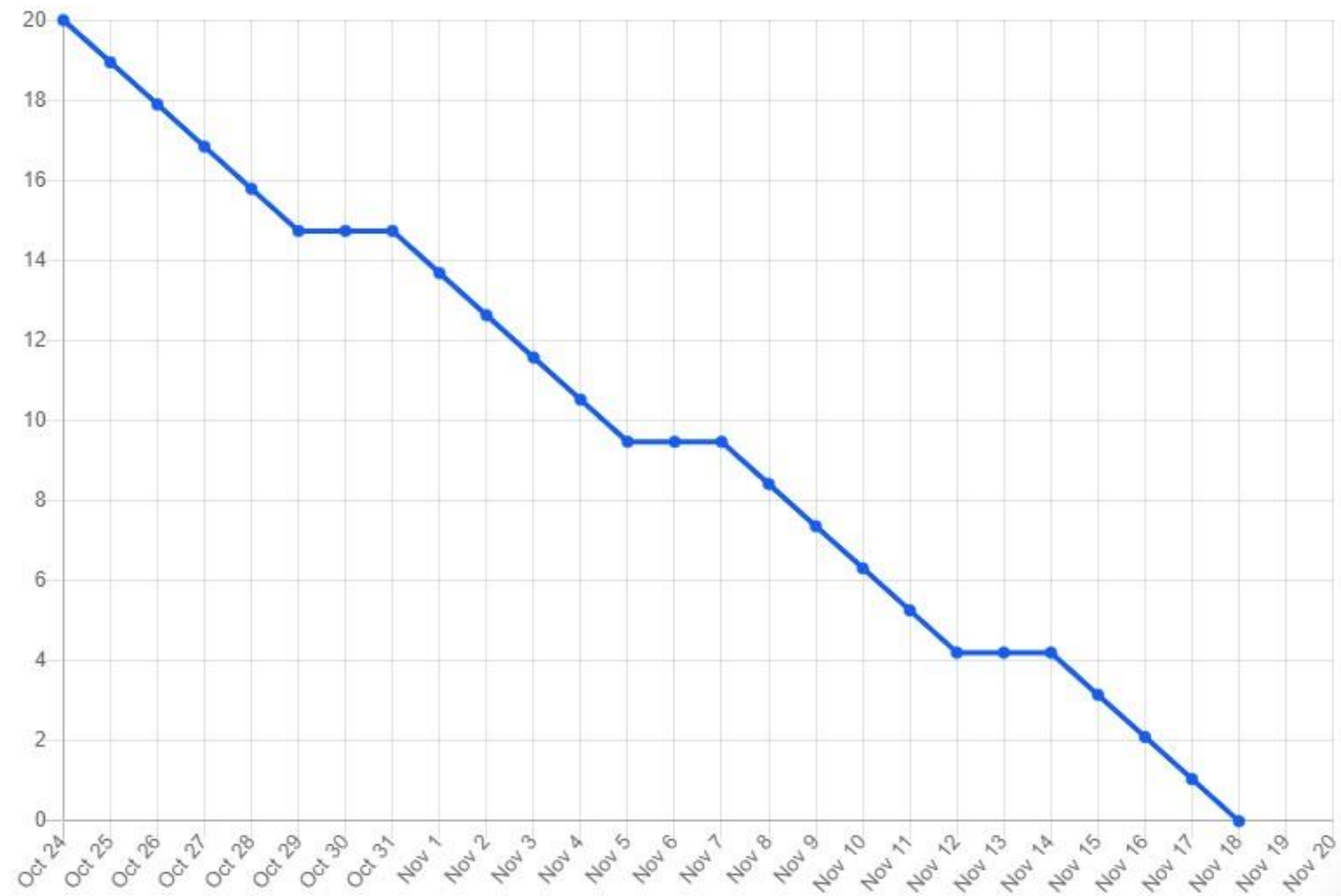
Sprint 3(AV)= 3.34 Sprint

4(AV)= 3.34

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 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/>

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>