

Project Planning Phase

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

| | |
|---------------|------------------------------------|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID46383 |
| 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, password, and confirming my password. | 8 | High | Team Lead |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 5 | High | Team Member-1 |
| Sprint-2 | | USN-3 | As a user, I can register for the application through Facebook | 8 | Low | Team Member-2 |
| Sprint-1 | | USN-4 | As a user, I can register for the application through Gmail | 8 | Medium | Team Member-3 |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 10 | High | Team Lead, Team Member-1 |
| Sprint-2 | Dashboard | USN-6 | As a user , I can search the blood group for which I need plasma. | 7 | High | Team Member-1, Team Member-2 |
| Sprint-2 | Dashboard | USN-7 | As a user, I can see login page and registration page for which the user login and searches for the required blood group plasma. | 8 | Medium | Team Lead, Team Member-3 |
| Sprint-3 | Dashboard | USN-8 | As a customer care executive, I can solve the queries of the users. | 9 | High | Team Member-2, |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|------------------------------|
| | | | | | | Team Member-3 |
| Sprint-4 | Registration | USN-9 | As an Administrator, I can view the database of the registered users. | 7 | Medium | Team Lead, Team Member-2 |
| Sprint-4 | Dashboard | USN-10 | As an Administrator, I can view how many members need what kind of blood group for plasma. | 9 | Low | Team Member-2, Team Member-3 |
| Sprint-4 | Dashboard | USN-11 | In addition to the customer care executive. I can solve all the queries of the donors as well as the recipient. | 5 | Medium | Team Lead, Team Member-2 |
| Sprint-1 | Home Page | USN-12 | As a user, I can view the homepage of the website and look up general plasma treatment information | 5 | Low | Team Member-2 |
| Sprint-1 | Send Request | USN-13 | As a user, I can raise a request for plasma donation with specific requirements. | 6 | High | Team Lead |
| Sprint-3 | View Request | USN-14 | As a user, I can view requests for plasma donation verified by admin | 8 | Medium | Team Member-3 |
| Sprint-4 | Maintenance | USN-15 | As an admin, I can maintain the databases involved | 5 | Medium | Team Member-4 |
| Sprint-2 | Search for Donor | USN-16 | As an admin, I can search for suitable donors in the database based on requests received. | 7 | High | Team Member-2 |

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 | 05 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)

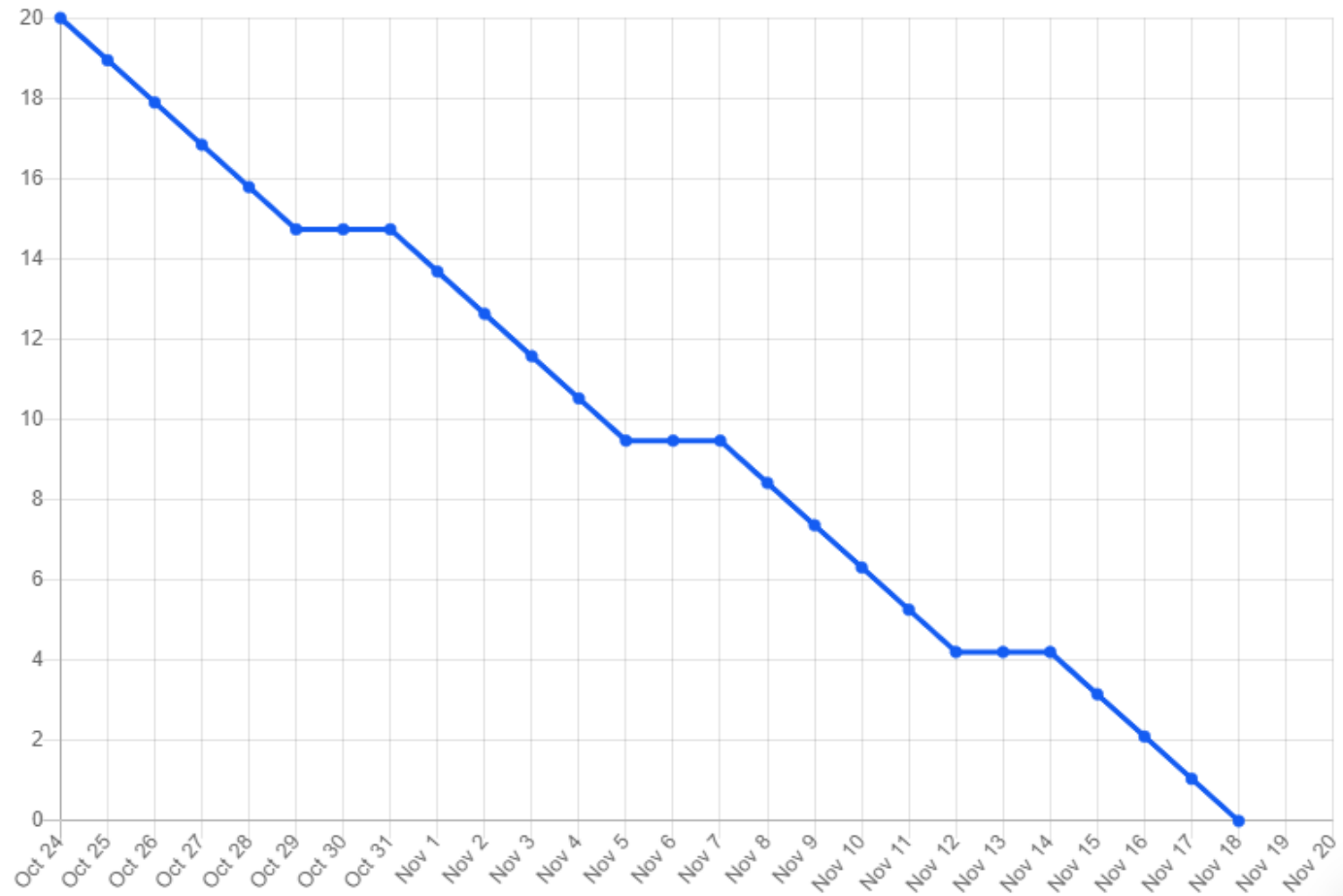
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

| Sprint | Average Velocity |
|----------|------------------|
| Sprint-1 | 6.5 |
| Sprint-2 | 8 |
| Sprint-3 | 7.6 |
| Sprint-4 | 8.5 |








Total Average Velocity =7.65

BURNDOWN CHART:

Burndown Chart



ROADMAP :

| | | NOV |
|---|---|---|
| Sprints | | |
|  PLASMA-2 Registration |  | |
|  PLASMA-3 Login | |  |
|  PLASMA-4 Dashboard | |  |
|  PLASMA-5 Dashboard | |  |
|  PLASMA-6 Registration | |  |
|  PLASMA-7 Dashboard | |  |