

Project Planning Phase

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

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|---------------|-------------------------------------|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID10840 |
| Project Name | Project – Plasma Donor Applications |
| 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 Donor, I can register for the application by entering my email, password, and confirming my password with validation. | 1 | Medium | Kishore Kumar |
| Sprint-1 | | USN-2 | As a Donor, I will receive confirmation email once I have registered for the application | 1 | Medium | Kishore Kumar |
| Sprint-2 | Donor Login | USN-3 | As a Donor, I can login into application using his credentials with usertype as donor | 1 | Medium | Harissh |
| Sprint-1 | User Registration | USN-4 | As a User, I can register for the application by entering my email, password, and confirming my password with validation. | 1 | Medium | Kishore Kumar |
| Sprint-1 | | USN-5 | As a User, I will receive confirmation email once I have registered for the application | 1 | Medium | Kishore Kumar |
| Sprint-2 | User Login | USN-6 | As a Donor, I can login into application using his credentials with usertype as user | 1 | Medium | Harissh |
| Sprint-2 | Dashboard | USN-7 | As a User, I submit the application form in need of plasma to notify the donors. | 2 | High | Ashwin Rupak |
| Sprint-2 | | USN-8 | As a User, he/she can view the available donor list to contact the donor. | 2 | High | Ashwin Rupak |
| Sprint-2 | | USN-9 | As a User, he/she can send a request to the particular donor. | 2 | Low | Ashwin Rupak |
| Sprint-3 | | USN-10 | As a Donor, able to view the request from the users. | 2 | Medium | Janarthanan |

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|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------------------|
| Sprint-3 | | USN-11 | As a Donor, can accept or decline in the dashboard | 3 | Medium | Janarthanan |
| Sprint-3 | | USN-12 | As a User, irrespective of contact details, can notified through email regarding accept or decline. | 3 | High | Janarthanan |
| Sprint-3 | | USN-13 | As a Donor, for successful donation and given feedback, badges will be provided depending on donor level, initially start from level 0. | 3 | Medium | Harissh |
| Sprint-4 | | USN-14 | As a Donor, change the availability status to notify the donor | 3 | Medium | Janarthanan |
| Sprint-4 | Plasma Technology | USN-15 | Recent Plasma Technology Update News | 1 | Low | Ashwin Rupak, Janarthanan |
| Sprint-4 | | USN-16 | Current Plasma Technology Trends | 1 | Low | Kishore Kumar, Harissh |

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 | | |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |
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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 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/>

<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>