

## Project Planning Phase

|              |  |
|--------------|--|
| Team id      | PNT2022TMID49331                                 |
| Project Name | Plasma Donor Application                         |
| Team Members | P.SARAVANAN, R.YASOTHA,<br>M.VANITHA, C.PRASANTH |

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

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members       |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------------|
| Sprint-1 | Registration                  | PDA-1             | As a user, I can register for the application by entering my Name, email, password, confirming my password, Age, Blood Group. | 3            | High     | Yasotha            |
| Sprint-3 |                               | PDA-2             | As a user, I will receive confirmation email once I have registered for the application                                       | 3            | Medium   | Prasanth           |
| Sprint-2 |                               | PDA-3             | As a user, I can register for the application through Gmail   | 5            | Medium   | Saravanan          |
| Sprint-1 | Login                         | PDA-4             | As a user, I can log into the application by entering email and password  | 2            | High     | Yasotha, Saravanan |
| Sprint-3 |                               | PDA-5             | As a user, I can reset my password using Forgot Password option   | 4            | Medium   | Prasanth           |
| Sprint-4 |                               | PDA-6             | As a user, I can view my past requests for plasma donation  | 3            | Low      | Vanitha            |
| Sprint-4 |                               | PDA-8             | As a user, I can close past requests I made for plasma  | 2            | Low      | Saravanan          |

|            |                               |                   |   |              |          |                     |
|------------|-------------------------------|-------------------|---|--------------|----------|---------------------|
| Sprint-1   | Home Page                     | PDA-10            | As a user, I can view the homepage of the website   | 3            | Medium   | Yasotha             |
| Sprint - 1 | About Page                    | PDA-12            | As a user, I can view the about page on the website and get information related to Plasma Donation            | 2            | Medium   | Vanitha             |
| Sprint - 2 | Register as Donor             | PDA-13            | As a user, I can register as a donor by submitting a form and uploading certificate of recovery from Covid-19 | 3            | High     | Yasotha             |
| Sprint     | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members        |
| Sprint-2   | Send Request                  | PDA-14            | As a user, I can raise a request for plasma donation with specific requirements through the request page.     | 2            | High     | Prasanth            |
| Sprint-3   | View Requests                 | PDA-15            | As a user, I can view requests for plasma donation verified by admin  | 4            | Medium   | Saravanan           |
| Sprint-4   | Maintenance                   | PDA-16            | As an admin, I can maintain the databases involved  | 3            | Medium   | Yasotha             |
| Sprint-2   | Handle Requests               | PDA-17            | As an admin, I can view all requests for plasma donation  | 1            | High     | Saravanan, Prasanth |
| Sprint-4   |                               | PDA-18            | As an admin, I can delete requests that are past some time period or have been closed                         | 3            | Low      | Prasanth            |
| Sprint-2   | Solving User Queries          | PDA-19            | Creating an ChatBot that helps to solve the queries of the user.  | 2            | High     | Vanitha, Prasanth   |

### 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 | 10                 | 5 Days   | 27 Oct 2022       | 31 Oct 2022               |   |                              |
| Sprint-2 | 13                 | 6 Days   | 1 Nov 2022        | 06 Nov 2022               |   |                              |
| Sprint-3 | 11                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               |   |                              |
| Sprint-4 | 12                 | 6 Days   | 14 Nov 2022       | 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)

Sprint 1 AV=2 units

Sprint 2 AV=2.16 units

Sprint 3 AV=1.8 units

Sprint 4 AV=2 units

#### Burndown Chart:

A burndown 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>

## PDA

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### Advanced Burndown Chart Dashboard Item

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