

# Project Planning Phase

Date	24 October 2022
TeamID	PNT2022TMID30917
ProjectName	Plasma Donor Application
MaximumMarks	8Marks

Sprint	FunctionalR equirement( Epic)	User StoryNum ber	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-1	Registration	USN-1	Users can sign up for the application by providing their email address, password, and password confirmation.	3	High	sabarivigneshwaran Santhoshkumar Shanmugam parthasarathi
Sprint-1	Email verification	USN-2	Once a user registers for the application, they will receive a confirmation email.	3	High	sabarivigneshwara nShanmugam
Sprint-1	Login	USN-4	The user can access the program. entering your email and password	2	High	sabarivigneshwaran Santhoshkumar

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User StoryNumber</b>	<b>UserStory/Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>TeamMembers</b>
Sprint-2	Plasma Request	USN-7	A verified clinic may submit a request for plasm in the application.	3	High	Santhoshkumar Shanmugam parthasarathi
Sprint-2	Verification of Donor's details	USN-8	Only genuine donors will be able to use the application because we, the administrators, will verify the information provided by the donors.	2	Medium	Shanmugam parthasarathi
Sprint-3	Accept the donation request	USN-9	A registered donor will receive a notification inviting them to accept the plasma request for their particular blood type.	3	High	sabarivigneshwaran Santhoshkumar
Sprint-3	Communication Channel	USN-10	Within the application, the patient can directly communicate with the donor.	3	Medium	Santhoshkumar Shanmugam sabarivigneshwaran
Sprint-3	Administrator	USN-12	After verification, an admin will enter the registered donor's information into the database.	3	High	Santhoshkumar Shanmugam parthasarathi

Sprint	Functional Requirement (Epic)	User Story Number	UserStory/Task	Story Points	Priority	TeamMembers
Sprint-4	About	USN-15	In the dedicated about section, a new user can read about plasma and plasma donation.	2	Medium	sabarivignesh waran Santhoshkumar
Sprint-4	Administrator	USN-16	After proper verification, an admin will approve each plasma transaction in the application.	3	High	Shanmugam parthasarathi

**ProjectTracker,Velocity&BurndownChart:(4Marks)**

Sprint	Total StoryPoints	Duration	SprintStartDate	Sprint End Date(Planned)	Story PointsCompleted (ason Planned EndDate)	Sprint Release Date(Actual)
Sprint-1	18	6Days	24Oct2022	29Nov2022	18	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	18	6Days	07Nov2022	12Nov2022	18	12Nov2022
Sprint-4	18	6Days	14Nov2022	19Nov2022	18	19Nov2022

**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	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)	Average Velocity (AV) = Sprint duration / velocity
Sprint-1	18	6Days	24Oct2022	29Oct2022	18	29Oct2022	3
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022	3.33
Sprint-3	18	6Days	07Nov2022	12Nov2022	18	12Nov2022	3
Sprint-4	18	6Days	14Nov2022	19Nov2022	18	19Nov2022	3

Total number of days = sprint1 + sprint2 + sprint3 + sprint4 = 6 + 6 + 6 + 6 = 24

Total number of story points = 18 + 20 + 18 + 18 = 74

Average velocity per sprint = 74 / 24

~ 3.083333

= 3

## BurndownChart:

Burndown Chart

