Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID36720
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	A User can register and create the user account	5	High	Team Lead
Sprint-1	Login	USN-2	A User can sign-in to the application by entering the registered email id and password	5	High	Team Member-1
Sprint-1	Admin Register	USN-3	An admin can register through the admin registry	5	High	Team Member-2
Sprint-1	Register Admin Via Scrip	USN-4	Creating an Admin Account using a python script. As for security reasons we should implement a separate python script	5	High	Team Member-3
Sprint-2	Implementing Authentication System	USN-5	creating an authentication system for both admin and users using flask application	6	High	Team Lead, Team Member-1
Sprint-2	Creating Tables	USN-6	Creating Db2 account and creating the tables in DB2 in IBM cloud db2	4	High	Team Member-1, Team Member-2
Sprint-2	Creating SSL certificate and integrating with python code	USN-7	Creating the SSL certificate to connect db2 via python code	4	High	Team Lead, Team Member-3
Sprint-2	Creating dashboard	USN-8	Admin and Donor can interact with our application.	6	High	Team Member-2,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Plasma request and donor acknowledge feature	USN-9	Admin can create plasma requests which will be shown in the user portal	5	High	Team Lead, Team Member-2
Sprint-3	Creating dashboard for admin	USN-10	Admin dashboard, admin can view the total request has been requested for plasma by the recipient/user.	5	High	Team Member-2, Team Member-3
Sprint-3	Integrating the Watson chat bot	USN-11	Users can use the chatbot for basic clarification using the chatbot	5	High	Team Lead, Team Member-2
Sprint-3	Integration with SendGrid	USN-12	The source/verification mail for both user(donor and recipient)	5	High	Team Member-2
Sprint-4	Docker installation	USN-13	Installing Docker CLI	6	High	Team Lead
Sprint-4	Creating docker image	USN-14	Setting up the docker environment and creating the docker image file	6	High	Team Member-3
Sprint-4	Kubernetes	USN-15	creating pods in Kubernetes and uploading it in IBM cloud	4	High	Team Member-4
Sprint-4	End-to-End Testing	USN-16	Implementing End-to-End testing	4	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:

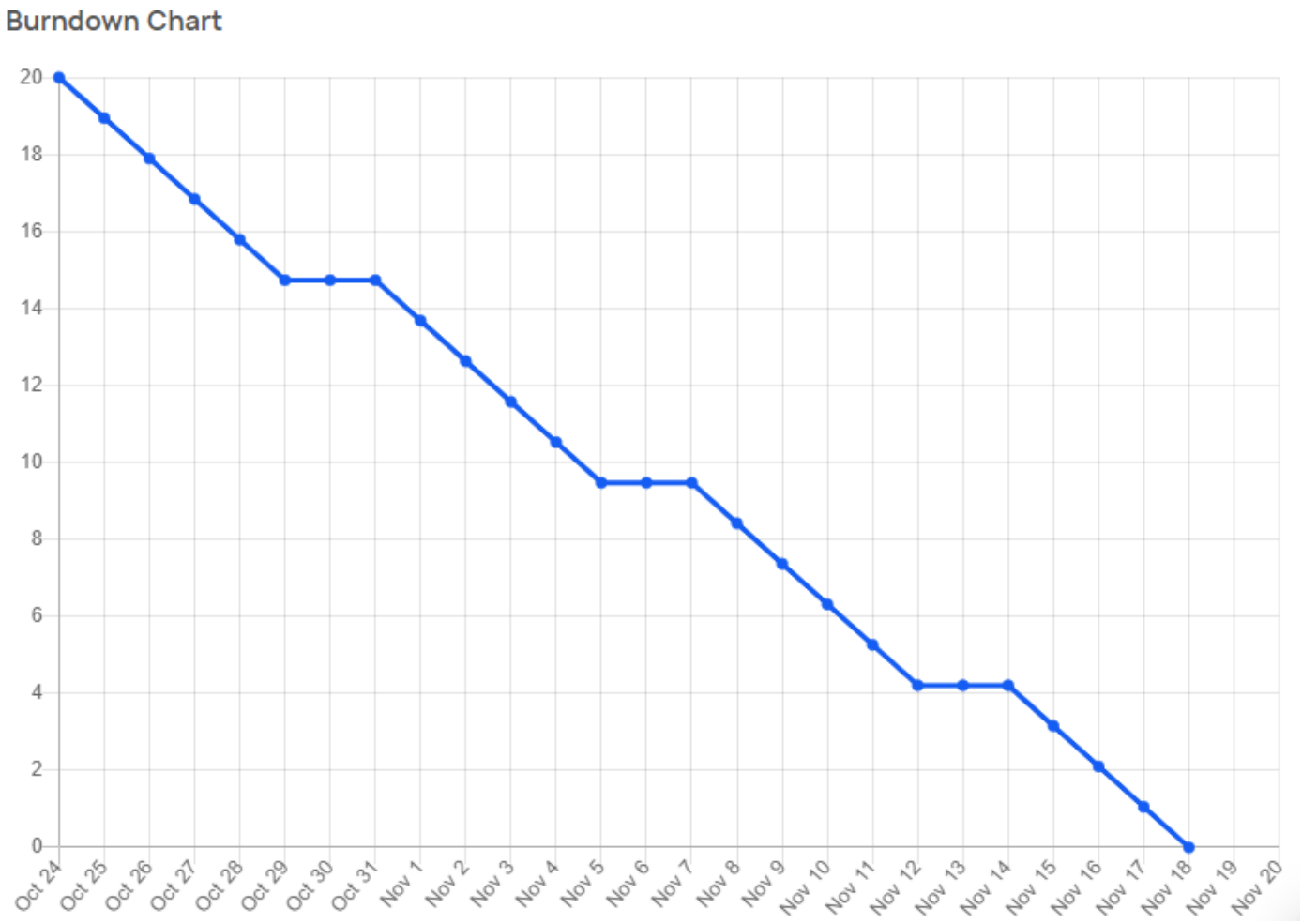
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

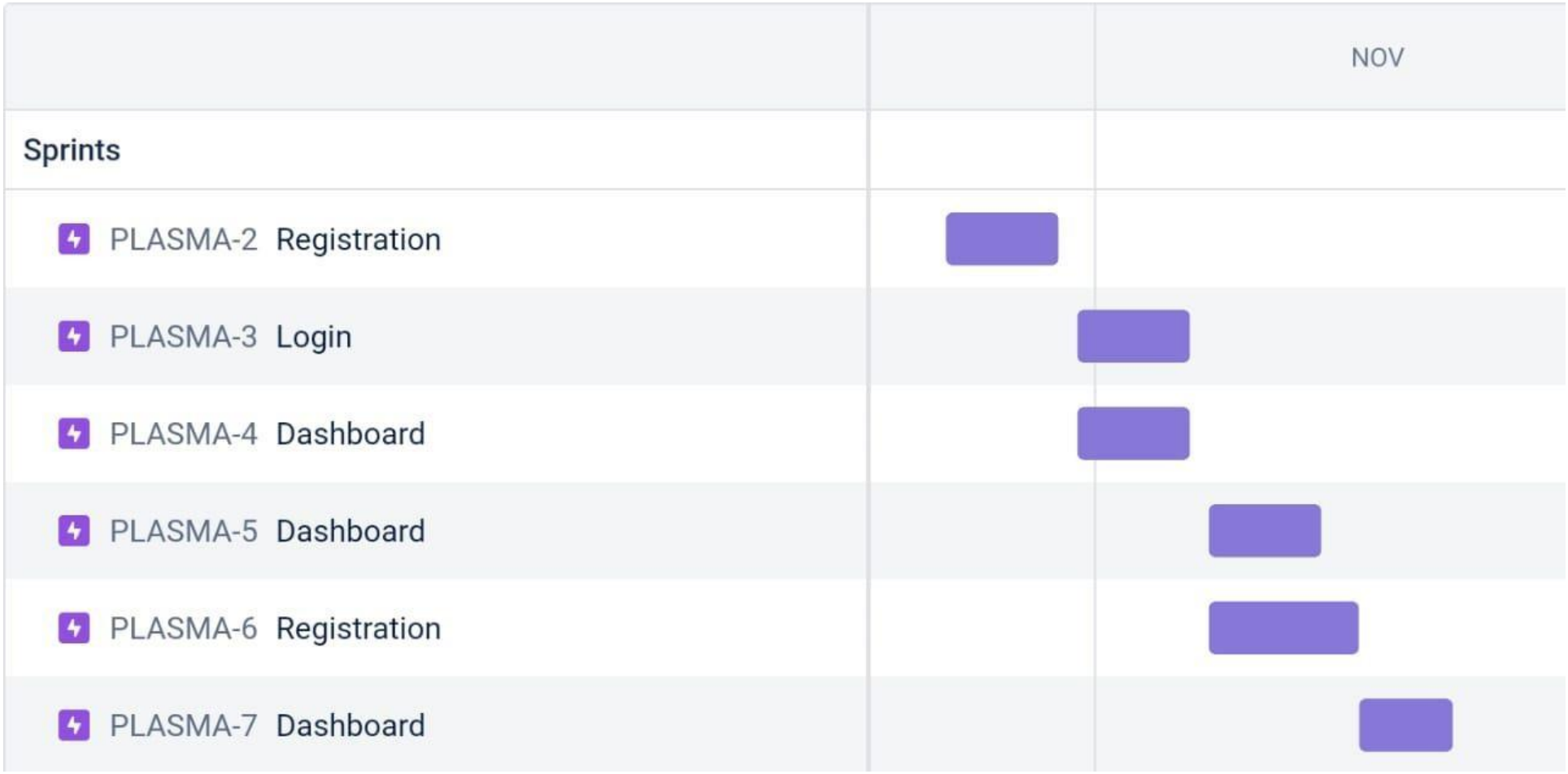
Sprint	Average Velocity
Sprint-1	6.5
Sprint-2	8
Sprint-3	7.6
Sprint-4	8.5

Total Average Velocity =7.65

BURNDOWN CHART:



ROADMAP :


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