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

Date	10 November 2022
Team ID	PNT2022TMID51031
Project Name	Global Sales Data Analytics
Maximum Marks	8 Marks

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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sriram K, Saravanakumar K, Kanthimathinathan A, Matheshwaran N
Sprint -1	Login	USN-2	As a user, I need valid credentials to login to my account.	1	High	Sriram K, Saravanakumar K, Kanthimathinathan A
Sprint -2	Data collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS and clean the data.	2	High	Saravanakumar K, Sriram K
Sprint -2	Upload dataset	USN-4	As a user, I can view the data of the products.	1	Low	Kanthimathinathan A, Matheshwaran N
Sprint -2	Data preparation	USN-5	As a user, I need to prepare the data for Data visualization.	3	High	Sriram K, Saravanakumar K, Matheshwaran N
Sprint -2	Data visualization	USN-6	As a user, I need to visualize the data for Data visualization.	4	Medium	Saravanakumar K, Kanthimathinathan A, Matheshwaran

Sprint -3	Dashboard	USN-7	As a user, I need to create the product and customer analysis dashboard.	2	Medium	Sriram K, Saravanakumar K,
Sprint -3	Dashboard	USN-8	As a user, I must plan visualizations in a way that I'm able to gain insights regarding the sales based upon the category of sales and the respective region for the product and customer.	4	High	Sriram K, Saravanakumar K, Kanthimathinathan A, Matheshwaran N

Sprint -3	Dashboard	USN-9	As a user, I need to analyze the priority of the customer and the products that they buy and to create the charts accordingly.	4	Medium	Sriram K, Kanthimathinathan A, Matheshwaran N
Sprint -4	Prediction	USN-10	As a user, I need to produce the predictive analysis of the customer's satisfied product and the product which is on high priority to the customer.	4	Medium	Sriram K, Saravanakumar K, Kanthimathinat han A, Matheshwaran N
Sprint -4	Report	USN-11	As a user, I can view the final sales analysis report of the customer and their purchased products	5	High	Sriram K, Saravanakumar K, Kanthimathinathan A, Matheshwaran N
Sprint -4	Story	USN-12	As a user, I can view the product and customer description and more additional information as a story.	5	High	Sriram K, Saravanakumar K, Kanthimathinathan A, Matheshwaran N

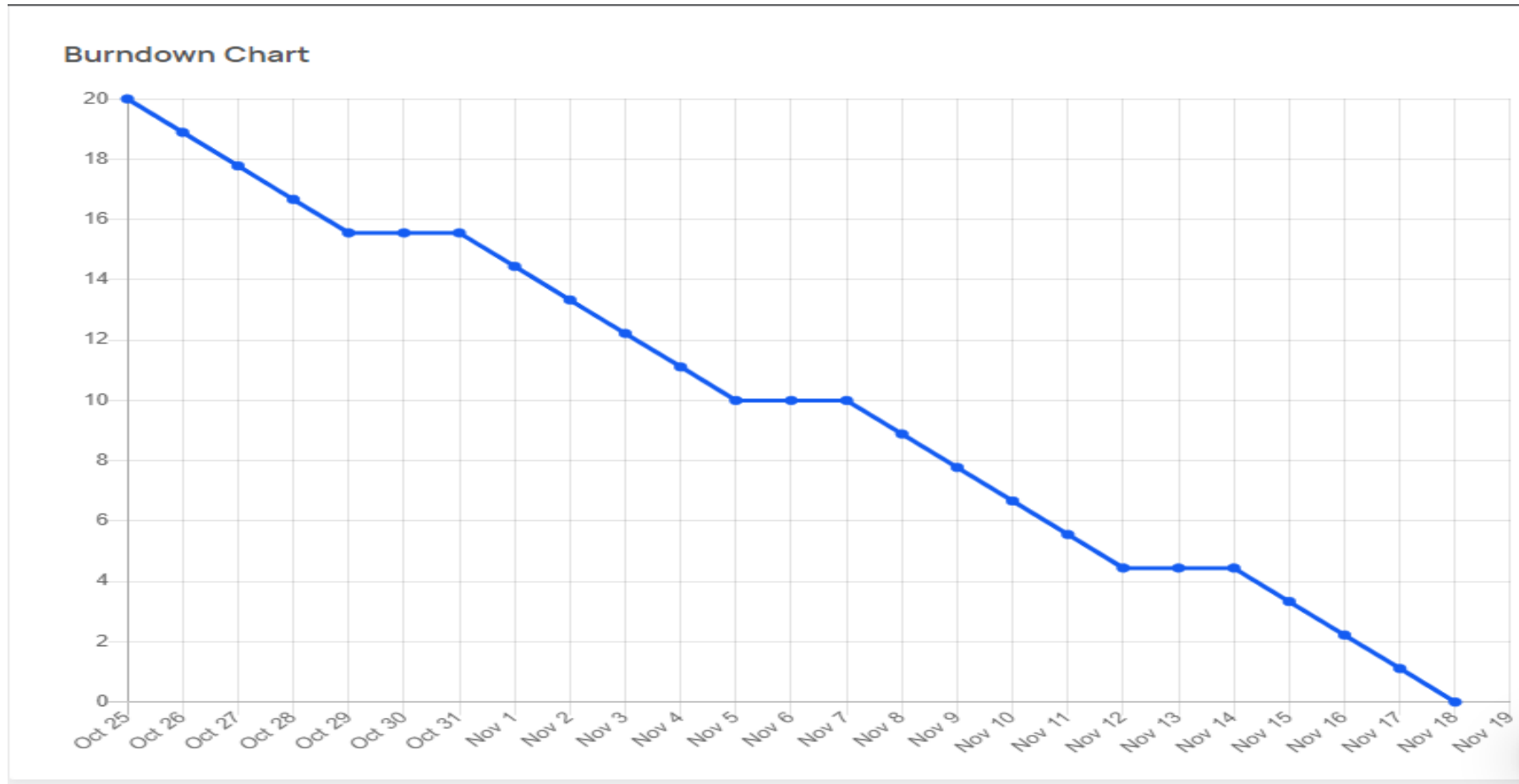**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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	25 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Average Velocity = Sprint Duration/Velocity
$$= 22/10$$
$$= 2.2$$

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.

Burndown Chart

Planning Chart: