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

Team ID	PNT2022TMID00545
Project Name	Global Dales 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.	5	High	Dharmeshprasad R, Surya Prakash G, Tamilvanan N, Mutamilselvan MS, Aravindhan
Sprint -1	Login	USN-2	As a user, I need valid credentials to log to my application.	5	High	Dharmeshprasad R, Surya Prakash G, Tamilvanan N
Sprint -1	Data collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS and clean the data.	5	High	Dharmeshprasad R, Surya Prakash G, Tamilvanan N
Sprint -1	Upload dataset	USN-4	As a user, I can view the data of the products.	5	High	Muthamilselvan MS Aravindhan
Sprint -2	Data preparation	USN-5	As a user, I need to filter it for Data visualization.	5	High	Dharmeshprasad R, Tamilvanan N
Sprint -2	Data visualization	USN-6	As a user, I need to filter it for Data visualization.	5	Medium	Dharmeshprasad R, Surya Prakash G, Tamilvanan N
Sprint -2	Dashboard	USN-7	As a user, I need to filter it for Data visualization.	10	High	Surya Prakash G, Tamilvanan N

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
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.	4	High	Dharmeshprasad R, Surya Prakash G, Tamilvanan N , Muthamilselvan MS
Sprint -3	Dashboard	USN-9	As a user, I must be able to gain insights from the charts/graphs through a variety of relationships established in the dashboard.	10	Medium	Dharmeshprasad R, Surya Prakash G, Tamilvanan N
Sprint -4	Prediction	USN-10	As a user, I see the prediction of the specific product's future sales expectation.	10	Medium	Dharmeshprasad R, Surya Prakash G, Tamilvanan N
Sprint -4	Report	USN-11	As a user, I can view the list of categorized products and their details as a report.	10	High	Surya Prakash G, Tamilvanan N, Dharmeshprasad R, Aravindhan
Sprint -4	Story	USN-12	As a user, I can view the product and customer description and more additional information as a story.	10	High	Dharmeshprasad R, Surya Prakash G, Tamilvanan N

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

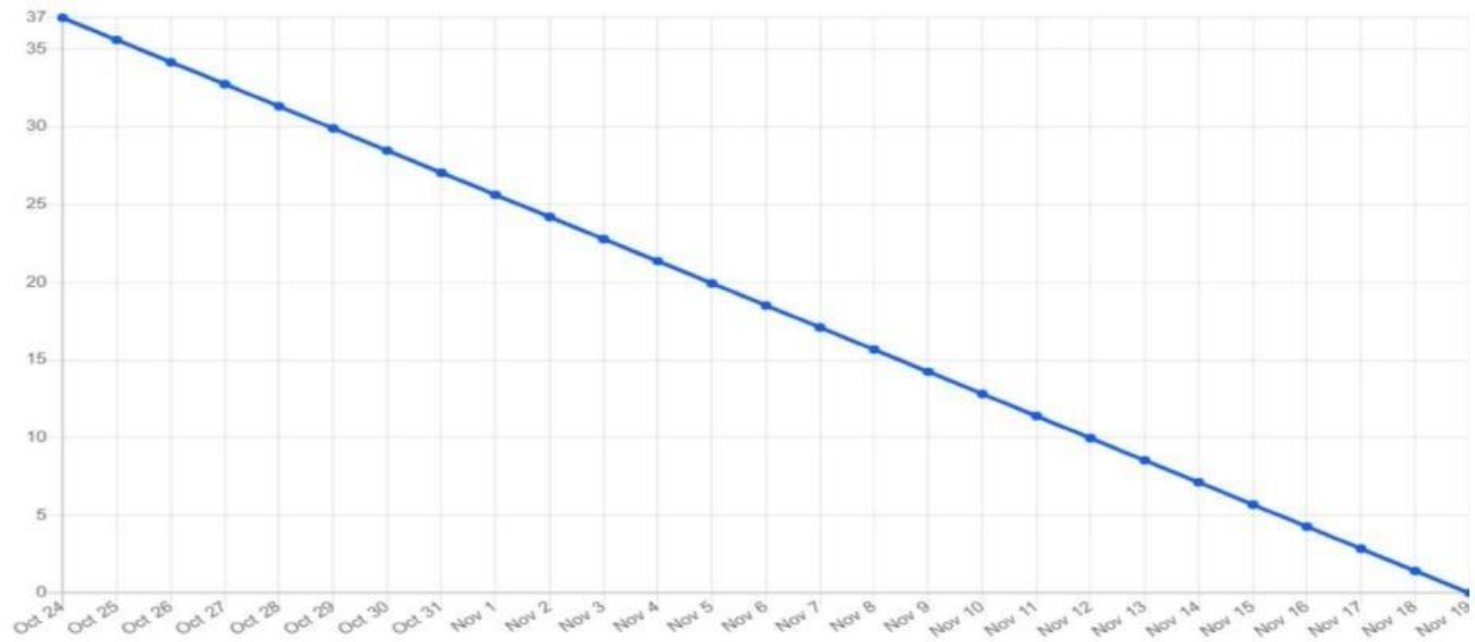| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	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)
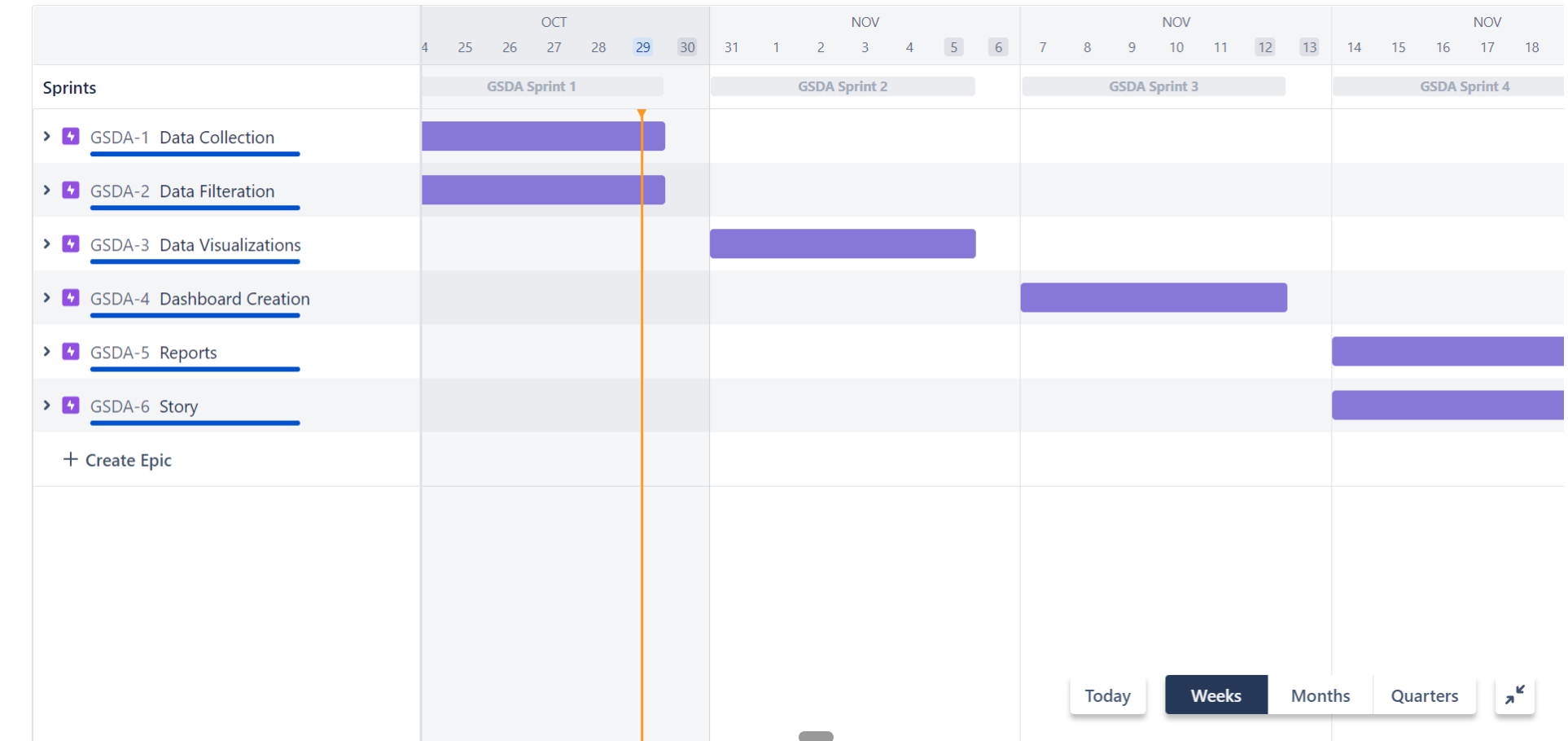
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.

Planning tools:

		OCT							NOV						NOV						NOV			
	4	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Sprints

GSDA Sprint 1　　　　　GSDA Sprint 2　　　　　GSDA Sprint 3　　　　　GSDA Sprint 4

> ⚡ GSDA-1 Data Collection

> ⚡ GSDA-2 Data Filteration

> ⚡ GSDA-3 Data Visualizations

> ⚡ GSDA-4 Dashboard Creation

> ⚡ GSDA-5 Reports

> ⚡ GSDA-6 Story

\+ Create Epic

Today　Weeks　Months　Quarters

Backlog

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🔍 ⬤ KJ ⬤ Epic ⌄   📈 Insights

⌄ **Backlog** (6 issues)   0 **0** **0**   Create sprint

🔖 GSDA-7 As a user, I can view the data in the form of CSV/XLS file for filtration.	DATA COLLECTION	IN PROGRESS ⌄	⬤
🔖 GSDA-8 As a user, I can custom or filter the gathered data.	DATA FILTERATION	IN PROGRESS ⌄	⬤
🔖 GSDA-9 As a user, I can easily visualize the data in the form of charts.	DATA VISUALIZATIONS	IN PROGRESS ⌄	⬤
🔖 GSDA-10 As a user, I can view my dashboard and can perform stock prediction and analysis.	DASHBOARD CREATION	IN PROGRESS ⌄	⬤
🔖 GSDA-11 As a user, I can view the list of categorized products and their details as a report.	REPORTS	IN PROGRESS ⌄	⬤
🔖 GSDA-12 As a user, I can view the product and customer description and more additional information as a story.	STORY	IN PROGRESS ⌄	⬤

+ Create issue