Project Planning Phase

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

Date	7 November 2022
Team ID	PNT2022TMID48232
Project Name	Project – 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.	5	High	M.Athavan,R.Gokulraj, S.Arunkumar,D.Praveen
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application, and I can log into the application by entering email & password	5	High	M.Athavan,R.Gokulraj, S.Arunkumar,D.Praveen
Sprint-1	Data Collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS files and clean the data to remove the null values	10	Low	M.Athavan,R.Gokulraj, S.Arunkumar,D.Praveen
Sprint-2	Upload dataset	USN-4	As a user, I will upload the data to IBM Cognos and view the data of the products	5	Medium	M.Athavan,R.Gokulraj S.Arunkumar,D.Praveen
Sprint-2	Data Preparation	USN-5	As a user, I need to filter the data for	5	High	M.Athavan,R.Gokulraj

			visualization in IBM Cognos			S.Arunkumar,D.Praveen
Sprint-2	Data visualization	USN-6	As a user, I can easily visualize the data in the form of charts and graphs through IBM Cognos	10	High	M.Athavan,R.Gokulraj, S.Arunkumar,D.Praveen

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-7	As a user, I will create the dashboards based on the given data in IBM Cognos	5	High	R.Gokulraj, M.Athavan
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	5	Medium	S.Arunkumar, D.Praveen
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	M.Athavan, R.Gokulraj
Sprint-4	Prediction	USN-10	As a user, I will predict the specific product's future sales expectation.	5	High	D.Praveen S.Arunkumar
Sprint-4	Final Analysis	USN-11	As a user, I can Analyse the list of categorized products and their details as a report.	5	High	M.Athavan, R.Gokulraj
Sprint-4	Report	USN-12	As a user, I can prepare the product and customer description information and more additional information as a Report	10	Medium	D.Praveen, S.Arunkumar

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

Sprint	Total Story	Duration	Sprint Start Date	Sprint End Date	Story Points	Sprint Release Date

	Points			**(Planned)**	**Completed (as on Planned End Date)**	**(Actual)**
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Velocity:

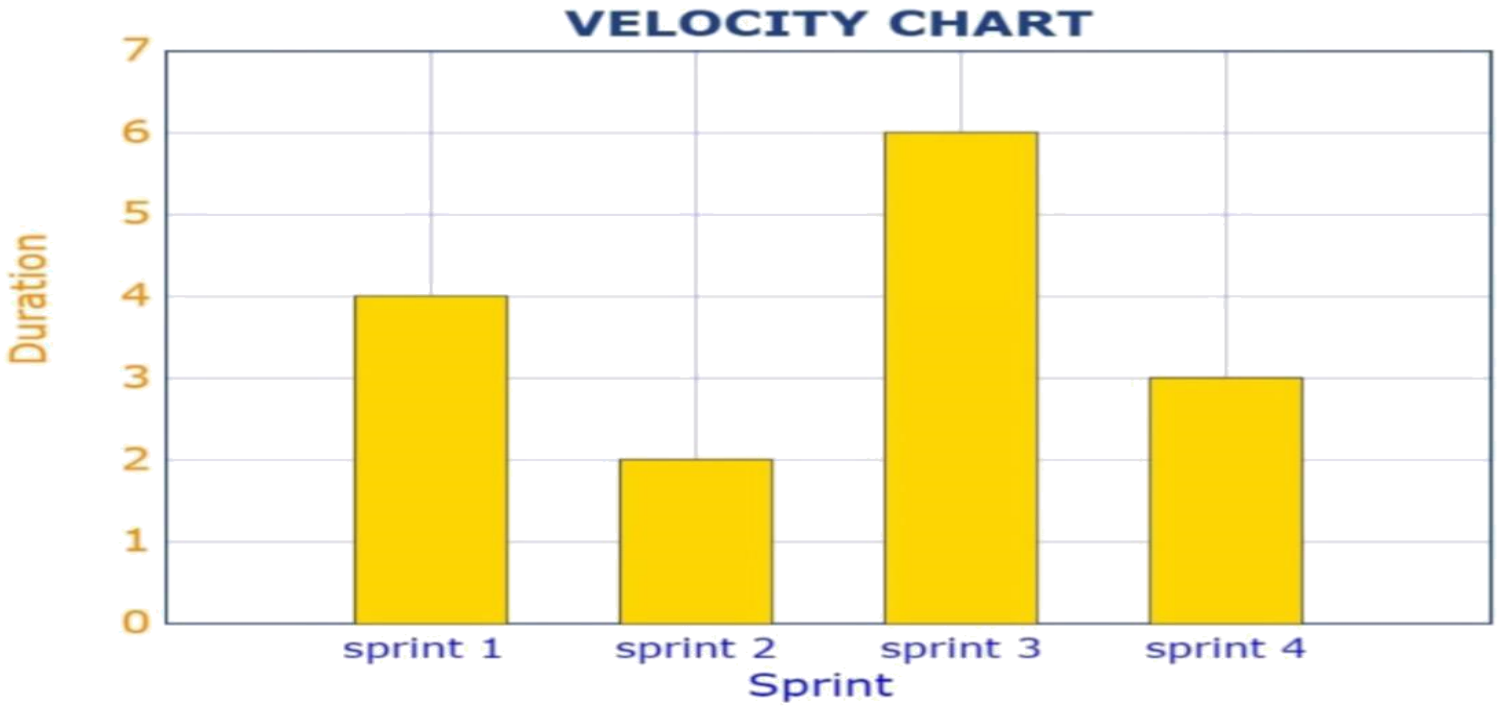
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit

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

(story points per day)

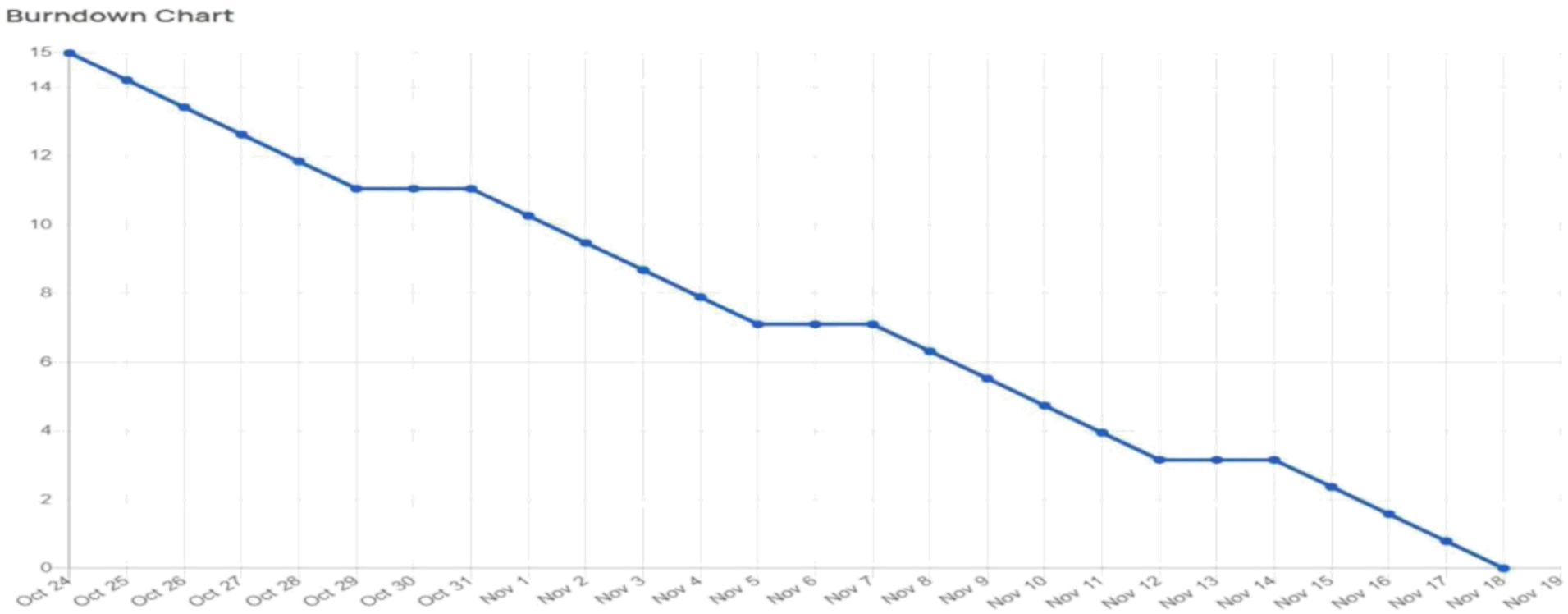
iteration unit (story points per day)

SPRINT	TOTAL STORY POINTS	DURATION	AVERAGE VELOCITY
SPRINT-1	5	6 Days	5/6 = 0.833
SPRINT-2	8	6 Days	8/6 = 1.33
SPRINT-3	10	6 Days	10/6 = 1.66
SPRINT-4	14	6 Days	14/6 = 2.33



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
15
14
12
10
8
6
4
2
0
Oct 24
Oct 25
Oct 26
Oct 27
Oct 28
Oct 29
Oct 30
Oct 31
Nov 1
Nov 2
Nov 3
Nov 4
Nov 5
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Nov 19