

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

Date	07 November 2022
Team ID	PNT2022TMID34242
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	GOKUL MUTHUKUMAR MUTHUKUMAR NARAYANAMOORTHY
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	GOKUL NARAYANAMOORTHY  MUTHUKUMAR
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	GOKUL MUTHUKUMAR NARAYANAMOORTHY
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	GOKUL MUTHUKUMAR

Sprint-2	Data Preparation	USN-5	As a user, I need to filter the data for visualization in IBM Cognos	5	High	GOKUL MUTHUKUMAR
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	MUTHUKUMAR GOKUL

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	GOKUL MUTHUKUMAR NARAYANAMOORTHY
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	GOKUL MUTHUKUMAR NARAYANAMOORTHY MUTHUKUMAR
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	GOKUL NARAYANAMOORTHY
Sprint-4	Prediction	USN-10	As a user, I will predict the specific product's Future sales expectation.	5	High	GOKUL NARAYANAMOORTHY MUTHUKUMAR MUTHUKUMAR
Sprint-4	Final Analysis	USN-11	As a user, I can Analyze the list of categorized products and their details as a report.	5	High	GOKUL NARAYANAMOORTHY MUTHUKUMAR
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	GOKUL NARAYANAMOORTHY MUTHUKUMAR
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	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

### Project Tracker, Velocity & Burn down Chart: (4 Marks)

#### Velocity:

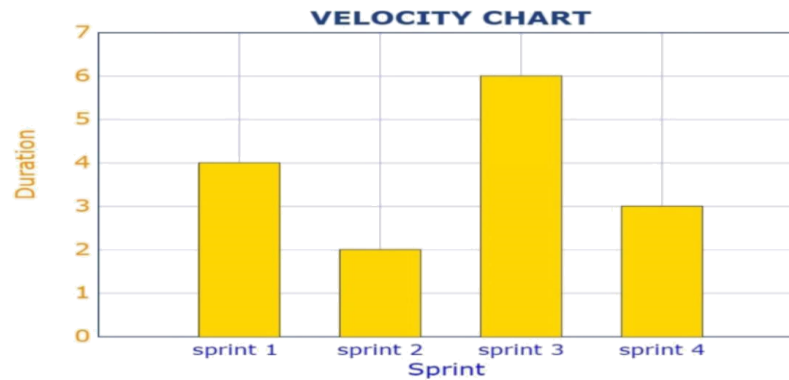
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit

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

(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



## Burn down Chart:

A burn down chart is a graphical representation of work left to do versus time. 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.

