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

Date	23 October 2022
Team ID	PNT2022TMID02361
Project Name	Global sales data analysis
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	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Lakshana Lavanya M S Mohita Sara Oommen P S Hariharan Harish G
		USN-2	I will receive confirmation email once I registered for the application	1	Low	
		USN-3	I will log in to the desired application using my login credentials.	1	Medium	
Sprint-2	Pre processing	USN-4	As a user, I can do the data cleaning process.	2	High	Lakshana Lavanya M S Mohita Sara Oommen P S Hariharan Harish G
		USN-5	I can perform Extract, TransformLoad (ETL) process.	2	High	

Sprint-3	Dashboard	USN-6	I can upload the data of global sales for analysis.	1	Medium	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Dashboard	USN-7	As a user, I can analyse the data by performing calculations and executing several visualisation charts.	2	High	Lakshana Lavanya M S Mohita Sara Oommen P S Hariharan Harish G
		USN-8	I can gain insights of the data for business analysis.	2	High	
		USN-9	I can get the information for business analysis.	1	Medium	
Sprint-4	Report, Story and customer care	USN-10	As a user, I can generate report for the customer or sales analyst for knowing the insights about the sales.	2	Medium	Lakshana Lavanya M S Mohita Sara Oommen P S Hariharan Harish G
		USN-11	I can clear queries of customers from the analysis of the sales.	1	Medium	
		USN-12	I can modify report according to the information gathered after analysis.	1	Low	

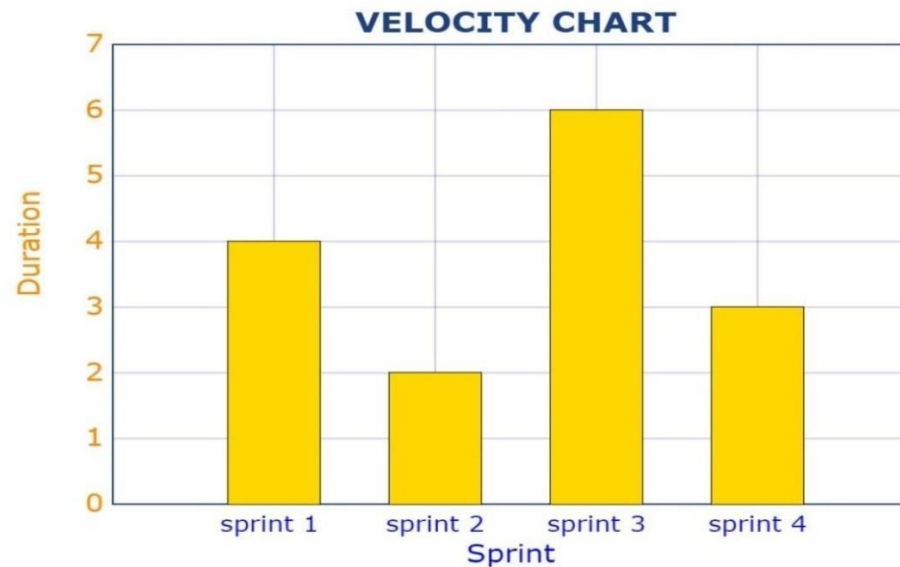**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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	4	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	2	05 Oct 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Oct 2022

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-4	4	6 Days	14 Nov 2022	19 Nov 2022	3	19 Oct 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)

Sprint 1 AV: sprint duration/velocity= 4/6=0.66 Sprint 2 AV: sprint duration/velocity= 2/6=0.33 Sprint 3 AV: sprint duration/velocity= 6/6=1.00 Sprint 4 AV: sprint duration/velocity= 3/6=0.50

VELOCITY CHART

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

BURNDOWN CHART

Story points (y-axis): 0 to 16

Sprint (x-axis): Sprint 1, Sprint 2, Sprint 3, Sprint 4, End