

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

Team ID	PNT2022TMID04948
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	1	Customers can register by entering the basic personal details through website	2	High	Hemadharshin K
	Login	2	As an authenticated user using their login credentials user can view the entire website and various options	2	High	Haritha M
	Working with the Dataset	3	Initially Data Preprocessing like filtering, formatting and data cleansing have to be done.	2	High	Abinayashri KBS
		4	Load the dataset in the cloud platform and analyse the data points by Visualization techniques.	10	High	Aarthi BG

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Creating the dashboard	10	To create a web oriented dash board with various optionsincluding sales, profit and report generation .	20	High	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
Sprint-3	Data Visualization Chart	11	Using the Sales production in Global superstore dataset, create various graphs and charts to highlight the insights and variationin the sales.	4	Medium	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
		12	Using the heat map sales, profit and quantity can be clearlyviewed.	4	Medium	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
		13	Using bar graph we can analyze sales by sub category andsales by region	4	Medium	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
		14	Using pie-chart we can analyze the country wise sales usingmap points	4	Medium	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
		15	Using Scatter plot to represent the Sales against Seasonal salesProduction using a Text representation.	4	Medium	Hemadharshin K Abinayashri KBS Haritha M Aarthi BG
Sprint-4	Customized visualization can be done	16	Export the created Dashboard	20		Hemadharshin K Abinayashri KBS Haritha M Aarthi BG

### Project Tracker, Velocity & Burndown Chart:

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:

We have a 24-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)

$$AV = \text{Sprint Duration} / \text{Velocity} = 24 / 20 = 1.2$$

**Burndown Chart:**

A burndown 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

