Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID04402
Project Name	Project – Global Sales Data Analytics
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	Collect the dataset	USN-1	Download the dataset from Kaggle API	2	High	Indrajith, KalanjiyaVishnu
Sprint-1	Understand the dataset	USN-2	To understand the Data in dataset	3	High	Indrajith, KalanjiyaVishnu
Sprint-2	Loading the dataset	USN-3	Load the dataset in IBM cognos analytics	3	Low	Jagadeesh, Jayachandran,
Sprint-2	Preparation of dataset	USN-4	Prepare the data with no null values	4	Medium	Jagadeesh, Jayachandran,
Sprint-2	Performing calculations	USN-5	Create new calculation for perfect visualization	3	High	Jagadeesh, Indrajith,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Creating visualization	USN-6	Visualize the data for user to understand easily	5	Medium	Jayachandran, Indrajith,
Sprint-3	Creating dashboard	USN-7	To track, analyze and display data	10	Low	Jayachandran, Indrajith,
Sprint-4	Report, Story and Final Delivery	USN-8	Narratives that explain how fand why data changes over time, final delivery of the project	20	High	Jagadeesh, Kalanjiya vishnu

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

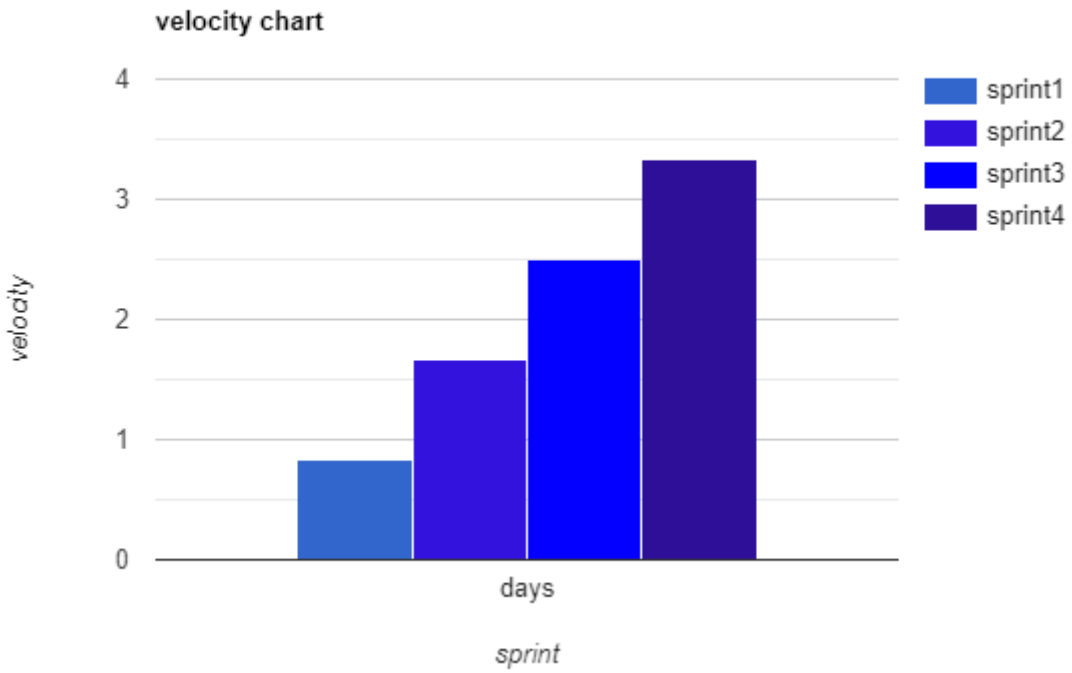
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

AV=50/24=2.083

Sprint	Total story points	Duration	Average velocity
Sprint-1	5	6 days	5/6=0.833
Sprint-2	10	6 days	10/6=1.66
Sprint-3	15	6 days	15/6=2.5
Sprint-4	20	6 days	20/6=3.33

Velocity chart:



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