

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID27582
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	Registration	USN-1	As a user, I need valid credentials to log in to my software.	5	High	Alphonse Nivetha, Andrea Sharon
Sprint 1	Data Preparation	USN-2	As a user, I need to upload my data to the software and the application must accept CSV/XLS files.	10	High	Andrea Sharon, Alphonse Nivetha, Taniya
Sprint 1	Data Preparation	USN-3	As a user, I must prepare my data in order to avoid discrepancies while visualizing.	5	High	Krithika, Taniya
Sprint 2	Dashboard	USN-4	As a user, I want filters so that I can view particular statistics of the worldwide sales data in relation to appropriate profitability.	7	Medium	Alphonse Nivetha, Taniya, Krithika
Sprint 2	Dashboard	USN-5	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.	7	Medium	Andrea Sharon, Krithika
Sprint 2	Dashboard	USN-6	As a user, I must be able to gain insights from the charts/graphs through a variety of relationships established in the dashboard.	6	Medium	Krithika, Taniya, Andrea,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Alphonse Nivetha
Sprint 3	Integrating dashboard to webpage	US7	Integrating dashboard to webpage	20	Low	Krithika N
Sprint 4	Report & Story	-	Story Preparation	20	Low	Alphonse Nivetha, Krithika

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29-10-2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04-11-2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15-11-2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18-11-2022

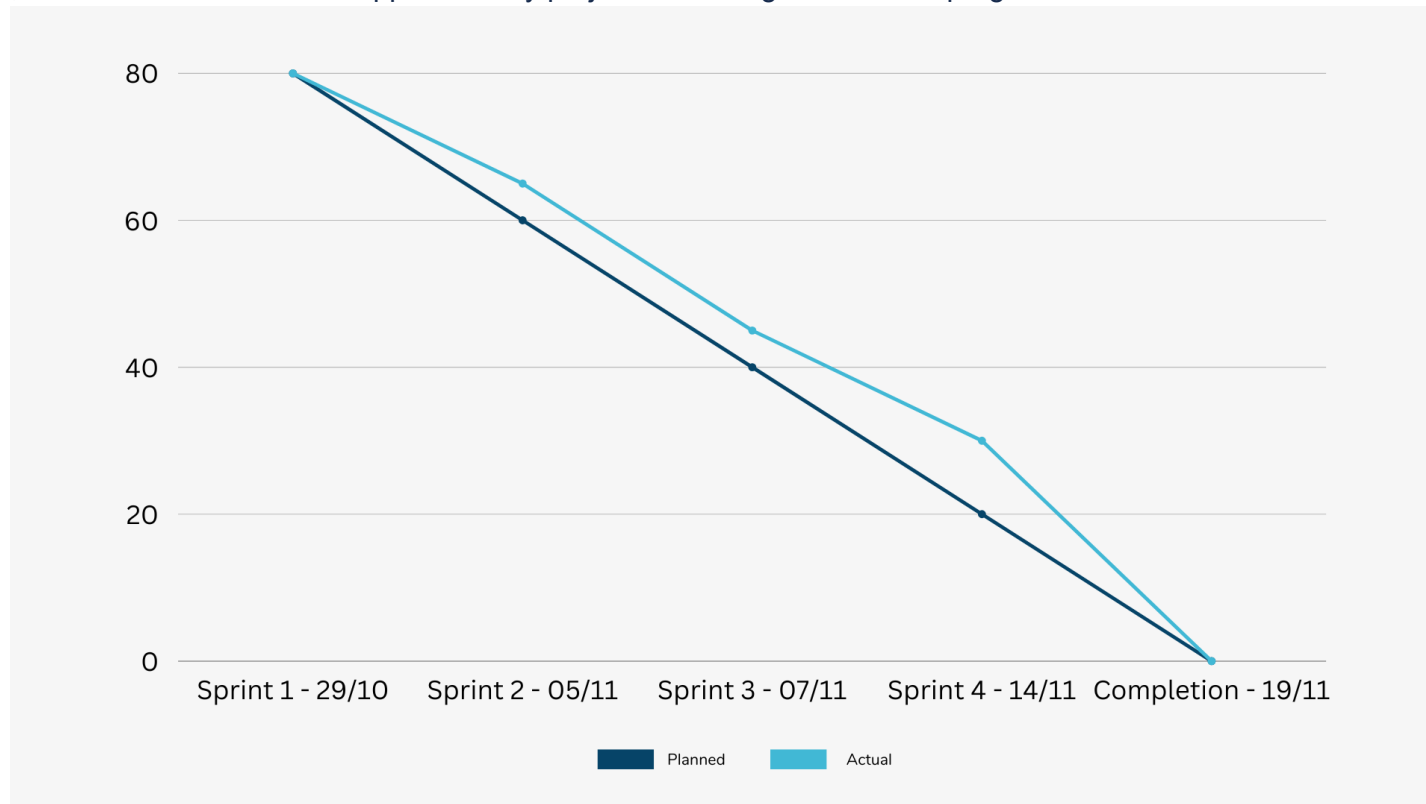
Velocity:

Imagine we have a 7-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)

$$AV = \text{sprint duration/velocity} = 20/7 = 2.857 \text{ (approx.)}$$

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.



<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>