

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21264
Project Name	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 can register for the application by entering my email, password, and confirming my password.	2	Medium	Pradhiksha S, Nandhakumar Raj S, Nitish Kumar S, Varsha A
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Low	Pradhiksha S, Nandhakumar Raj S
Sprint-1	Collecting Data	USN-3	As a user, I can upload my dataset	2	Medium	Nitish Kumar S, Varsha A
Sprint-2	Data pre-processing	USN-4	As a data analyst I should pre-process and clean the dataset.	2	Medium	Pradhiksha S, Varsha A
Sprint-3	Data Visualization	USN-5	Preparing meaningful visualization of provided sales data	3	High	Nandhakumar Raj S, Nitish Kumar S
Sprint 4	Create Dashboard		As a Data analyst I need to perform data visualization and create a dashboard using IBM Cognos	3	High	Varsha A, Nandhakumar Raj S

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 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	30	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	30	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)

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

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.

