

Project Planning Phase

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

Date	24 October 2024
Team ID	NM2023TMID00931
Project Name	Empowering the Future: A literacy rate analysis
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	USN-1	As a user, I can register for the application and use this for future analysis	2	High	Member 1
Sprint-1		USN-2	As a user, I will receive many data visualisation diagrams of the datasets	1	High	Member 2
Sprint-2		USN-3	As a user, I can use this for references	2	Low	Member 3
Sprint-1		USN-4	As a user, I can analyse and help others	2	Medium	Member 4
	Login					
	Dashboard					

**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 sept 2022	29 sept 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 sept 2022	09 sept 2022	18	09 sept 2022
Sprint-3	20	6 Days	07 oct 2022	12 oct 2022	20	12 oct 2022
Sprint-4	20	6 Days	14 oct 2022	19 oct 2022	19	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)

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

### 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.

