

Project Planning Phase

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

Date	19 October 2023
Team ID	NM2023TMID07493
Project Name	Empowering The Future: A Literacy Rate Analysis For A Better Future Tomorrow
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 want to register an account by providing my name, email address, and creating a password. After registration, I should receive a confirmation email to verify my account.	2	High	Gayathri.R

Sprint-2	System administrator	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Low	Gayathri R
Sprint-3	Data Collection	USN-3	As a user, I gathered and analyzed the data set to ensure its quality and consistency.	2	Medium	Ayshwarya.K
Sprint-3	Performance Analysis	USN-4	As a user, Apply data analytics techniques to uncover insights and trends.	2	Medium	Abiruchi Godhadevi VVN
Sprint-4	Visualization Tools	USN-5	As a user, assess various data visualization tools and platforms to identify the most suitable options for presenting data in an accessible and informative manner	2	High	Bavadharani.M
Sprint-4	Dashboard	USN-6	As a user, I could continue to iterate and enhance the dashboard based on user feedback and evolving project requirements.	1	Low	Bavadharani.M

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	16 Oct 2023	16 Oct 2023	20	16 Oct 2022
Sprint-2	20	6 Days	17 Oct 2022	17 Nov 2022	20	17 Nov 2022
Sprint-3	20	6 Days	18 Nov 2022	18 Nov 2022	20	18 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 6-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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{6} = 3.4$$

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.