

## Project Planning Phase

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

Date	21 October 2023
Team ID	NM2023TMID05086
Project Name	Quantitative analysis of candidates in 2019 lok sabha election
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	I want to be able to analyze literacy rates in different communities so that I can identify areas that need improvement.	2	High	Sabari
Sprint-1		USN-2	I want to be able to create and distribute surveys to gather data on the literacy rates of my students' families.	1	High	Sathish Kumar
Sprint-2		USN-3	The data analysis tools should be able to provide insights into literacy rates based on factors	2	Low	Vaishnavi
Sprint-1		USN-4	The survey creation tool should be user-friendly and customizable.	2	Medium	Sabari
Sprint-1	Login	USN-5	I want to be able to communicate my ideas and concerns effectively during town hall meetings.	1	High	Sangeetha

**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	01 Oct 2022	06 Oct 2022	22	22 Oct 2022
Sprint-2	20	6 Days	07 Oct 2022	12 Nov 2022		
Sprint-3	20	6 Days	13 Oct 2022	18 Oct 2022		
Sprint-4	20	4 Days	19 Oct 2022	22 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.