

## Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID31242
Project Name	Project – Machine Learning Based Vehicle Performance Analyzer
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	Data Preprocessing	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	30	High	Viswanathan.R Aravindh.P Soundharrajan.S Kaviyarasu.S
Sprint-3	Web Page Design	USN-3	As a user, I can register for the application through Facebook	30	High	Viswanathan.R Aravindh.P Soundharrajan.S Kaviyarasu.S
Sprint-4	Result	USN-4	As a user, I can register for the application through Gmail	20	High	Viswanathan.R Aravindh.P Soundharrajan.S Kaviyarasu.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	30	1 Days	01 Nov 2022	03 Nov 2022	30	12 Nov 2022
Sprint-2	20	2 Days	03 Nov 2022	05 Nov 2022	20	12 Nov 2022
Sprint-3	20	5 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	4 Days	12 Nov 2022	16 Nov 2022	20	16 Nov 2022

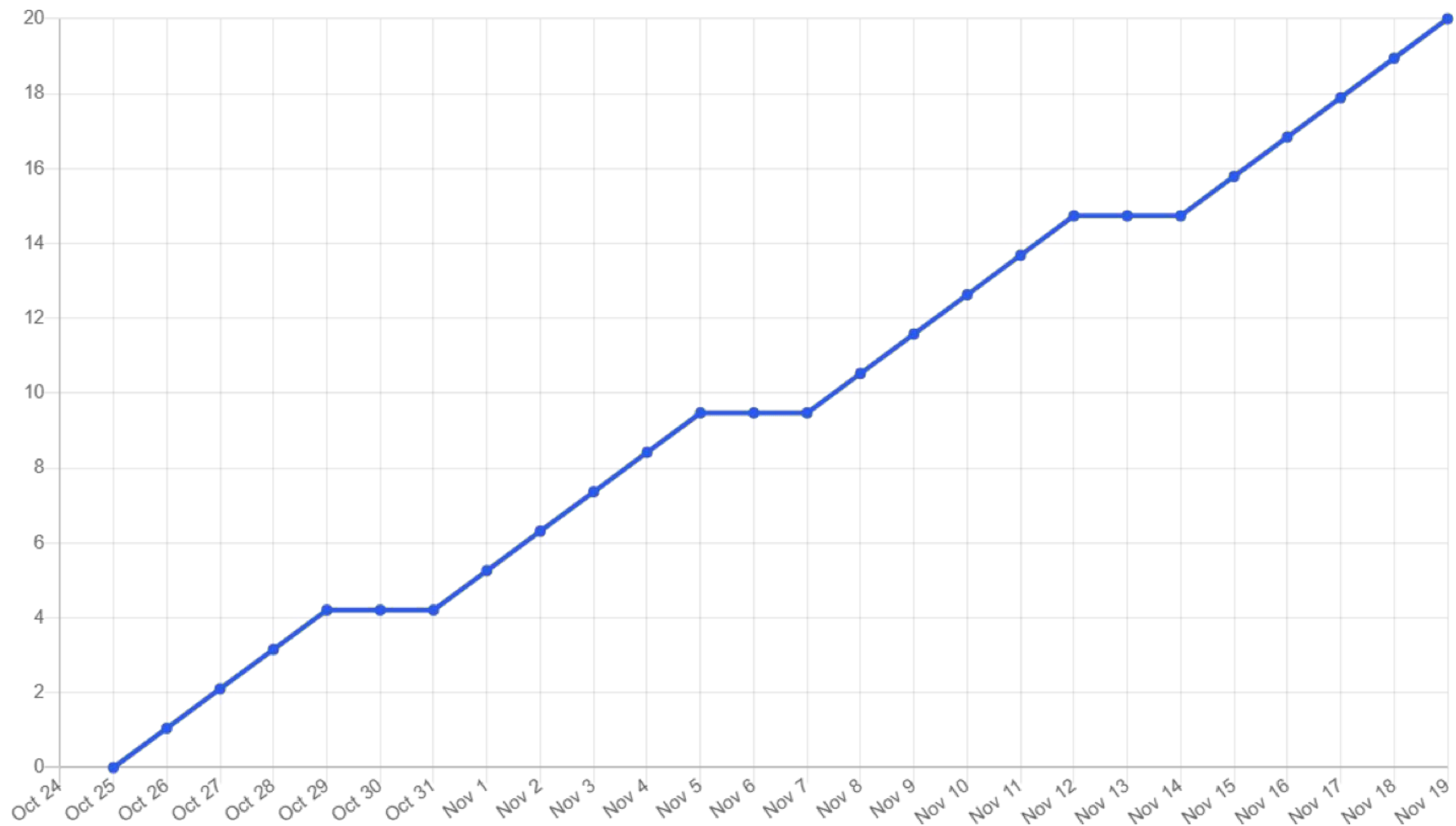
**Velocity:**

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.



**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>