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

Date	22 October 2022
Team ID	PNT2022TMID30265
Project Name	Signs with Smart Connectivity for Better Road Safety
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	Dynamic Speed Limit	USN-1	As a traveler, It is essential for me to know the speed limit	3	High	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-1	Priority Vehicle	USN-2	As a traveler, I should give way to priority vehicles	2	Low	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-1	Weather Speed Limit	USN-3	As a user, I should be aware of weather influence on speed limit for safer ride	2	Medium	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-2	Safer Ride	USN-4	As a traveler, I should have a hustle free journey	2	Medium	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-3	Login	USN-5	As an administrator, I should have an account on the website	1	Low	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-3	Dashboard	USN-6	As an admin, I should be able to monitor and add sign nodes	2	Medium	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-4	Monitoring	USN-7	As an admin, I must control and monitor the proper functioning of the signs though rarely required	1	Low	Iniyavan,Kalaivanan, Duraishanmugam,Nivas
Sprint-4	More accurate Indications	USN-8	As a user, as days pass by, more accurate guidance is needed	1	Low	Iniyavan,Kalaivanan, Duraishanmugam,Nivas

Project Tracker, Velocity & Burn down 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	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

$$AV = \frac{\text{sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

Burn down 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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Burndown Chart