

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21418
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
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 am able to get speed updates correctly	10	High	Thillai Nivetha Dhanushya
Sprint-1		USN-2	As a user, I can register in the application correctly	10	Medium	Shakinsha Priyadharshini
Sprint-2		USN-3	As a user, I can increase or decrease speed based in the change in weather conditions with the help of sign boards	10	High	Thillai Nivetha Shakinsha
Sprint-2		USN-4	As a user, I am able to go through an alternative direction when traffic is ahead	10	Medium	Dhanushya Priyadharshini
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	10	High	Shakinsha Dhanushya
Sprint-3	Generating data	USN-6	As a user I am able to utilize the web app to get information regarding location of the vehicle	10	High	Priyadharshini Thillai Nivetha
Sprint-4	Problem solving	USN-7	As an executive I am able to solve the problems of the users with the given instructions	10	Medium	Shakinsha
Sprint-4	Administering the timely data	USN-8	As an admin I am able to get through the interface and administer the data functionality	10	High	Dhanushya Priyadharshini Thillai Nivetha

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 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:

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)

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