

## Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID39076
Project Name	Project - Signs with Smart Connectivity for Better Road Safety

#### 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	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Poonguzhali, roselin juliya, Sahirabanu, deisithani
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	Low	Poonguzhali, roselin juliya, Sahirabanu, deisithani
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	2	Medium	Poonguzhali, roselin juliya, Sahirabanu, deisithani
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	2	High	Poonguzhali, roselin juliya, Sahirabanu, deisithani

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-5	As a user, I can log in to the open weather map with my email address and password.	1	Medium	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-2	Interface	USN-6	As a user, I can access the interface easily .	1	Medium	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-2		USN-7	As a user, I can view speed limitations using smart weather application.	2	High	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-2		USN-8	As a user, I can change my speed in response to weather changes.	2	High	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-2		USN-9	As a user, I can see traffic diversion signs depending on the traffic and the fatal situations.	2	High	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-3	Data generation	USN-10	As a user, I utilize the open weather app to access information about weather changes.	2	Medium	Poonguzhali, roselin juliyat, Sahirabanu, deisithani
Sprint-4	Problem solving	USN-11	As an official, I am responsible to maintain the sign boards are operating properly by routine inspection.	1	Medium	Poonguzhali, roselin juliyat, Sahirabanu, deisithani

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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)

$$\text{Average Velocity} = 20 / 6 = 3.33$$

### Burndown Chart:

