

### Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID23164
Project Name	Project – Signs with 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	As a user, I can register for the web app by entering my email, password, and confirming my password.	20	High	1.S.Nithyakalyani 2.V.Harshini 3.R.Sneha 4.R.Akshaya vairalaxmi
Sprint-2	Login	USN-2	As a user,I can log into the application by entering email & password.	20	High	1.S.Nithyakalyani 2.V.Harshini 3.R.Sneha 4.R.Akshaya vairalaxmi



<b>Sprint-3</b>	User Information	USN-3	Users can update their vehicle registration number, vehicle model and other related information about their vehicle.	20	High	1.S.Nithyakalyani 2.V.Harshini 3.R.Sneha 4.R.Akshaya vairalaxmi
<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint-4</b>	GPS linking	USN-4	Users GPS can be accessed as it is linked and the data is stored.	20	High	1.S.Nithyakalyani 2.V.Harshini 3.R.Sneha 4.R.Akshaya vairalaxmi
<b>Sprint-5</b>	Mobile Application	USN-5	The user can sense accidents using sensor and monitor using mobile app	20	High	1.S.Nithyakalyani 2.V.Harshini 3.R.Sneha 4.R.Akshaya vairalaxmi

**Project Tracker, Velocity: (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)</b>	<b>Sprint Release Date (Actual)</b>



					Date)	
<b>Sprint-1</b>	20	3 Days	22 Oct 2022	24 Oct 2022	20	24 Oct 2022
<b>Sprint-2</b>	20	3 Days	25 Oct 2022	27 Oct 2022	20	27 Oct 2022
<b>Sprint-3</b>	20	6 Days	28 Oct 2022	2 Nov 2022	20	2 Nov 2022
<b>Sprint-4</b>	20	6 Days	03 Nov 2022	5 Nov 2022	20	5 Nov 2022
<b>Sprint-5</b>	20	7 Days	6 Nov 2022	12 Nov 2022	20	12 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 burndown 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.



