

**Project Planning Phase**  
**Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)**

Date	17 October 2022
Team ID	PNT2022TMID41539
Project Name	Project – 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	Registration	USN-1	As a Driver, I can register for the application by entering my email, password, and confirming my password.	2	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S
Sprint-1	User Confirmation	USN-2	As a Driver, I will receive confirmation email once I have registered for the application	1	Medium	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S
Sprint-1	Login	USN-3	As a Driver, I can log into the application by entering email & password	2	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S

<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>
Sprint-2	Interface Sensor	USN-4	A sensor interface is a bridge between a device and any attached sensor. The interface takes data collected by the sensor and outputs	2	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S
Sprint-3	Coding (Accessing datasets)	USN-5	Coding is a set of instructions used to manipulate information so that a certain input results in a particular output.	2	High	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima S
Sprint-4	Web Application	USN-6	As a Driver, I will display the current weather & Automatic diversion for road traffic & Accident	1	Medium	1.Mugila R 2.Ishwariya P 3.Kalpana T 4.Shreein Fathima 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	20	6 Days	24 Oct 2022	27 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	28 Oct 2022	01 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	02 Nov 2022	09 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	10 Nov 2022	18 Nov 2022	20	19 Nov 2022

**Velocity:**

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

## Burndown Chart:

