Project Planning Phase (Milestone and Activity List)

Date	31 October 2022
Team ID	PNT2022TMID07534
Project Name	Signs with smart connectivity for better road safety

MILESTONE AND ACTIVITY LIST (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	IDE	USN-1	Installing all the softwares which is required like python IDE	2	High	Janani Makeswari Gowripriya Mythily
Sprint-1	Checking the simulation with conditions	USN-1	Simulating the circuits and experimenting	2	High	Janani Makeswari Gowripriya Mythily
Sprint-2	Software	USN-2	- IBM Watson Iot - Node Red integration	2	High	Janani Makeswari Gowripriya Mythily
Sprint-2	Software	USN-2	Test the device and workflow.	2	High	Janani Makeswari Gowripriya Mythily

Sprint-3	Application Development	USN-3	Using MIT App Inventor create an App	2	High	Janani Makeswari Gowripriya Mythily
Sprint-3	Testing	USN-3	Testing the Application.	2	High	Janani Makeswari Gowripriya Mythily
Sprint-4	WEB UI	USN-4	User interface with the Software	2	High	Janani Makeswari Gowripriya Mythily

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) periteration unit (story points per day)

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

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, burndown charts can be applied to any project containing measurable progress overtime.

Burndown chart: