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

Date	18 October 2022
Team ID	PNT2022TMID26631
Project Name	Signs with Smart Connectivity for Better Road Saftey
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story / Task	Story Points	Priority	Team Members.
Sprint-1	Resources Initialisation	Create and initialize accounts in various public APIs like Open Weather API.	1	Low	Hemachandran, Antony Arockia Lasar, Bhuvaneshwar, Hemarjun, Theepan Shankar
Sprint-1	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location.	1	Medium	Hemachandran, Antony Arockia Lasar, Bhuvaneshwar, Hemarjun, Theepan Shankar
Sprint-2	Push the server/software to cloud	Push the code from Sprint 1 to cloud so it can be accessed from anywhere	2	Medium	Hemachandran Antony Arockia Lasar, Bhuvaneshwar Hemarjun, Theepan Shankar

Sprint	Functional Requirement (Epic)	User Story / Task	Story Points	Priority	Team Members.
Sprint-3	Hardware initialisation	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	2	High	Hemachandran, Antony Arockia Lasar, Bhuvaneshwar, Hemarjun, Theepan Shankar
Sprint-4	UI/UX Optimization & Debugging	Optimize all the shortcomings and provide better user experience.	2	Low	Hemachandran, Antony Arockia Lasar, Bhuvaneshwar, Hemarjun, Theepan Shankar

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:

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

Burndown Chart: