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

Date	07 November 2022
Team Id	PNT2022TMID22104
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 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 / Task	Story Points	Priority	Team Members
Sprint-1	Resources Initialization	Create and initialize accounts in various public APIs like Open Weather API.	20	Low	C.Rujesh Kumar Pokala Rohith Praveen.G Yokesh.G
	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location	20	Medium	C.Rujesh Kumar Pokala Rohith Praveen.G Yokesh.G
Sprint-2	Push the server/software to cloud	Push the code from Sprint 1 to cloud so it can be accessed from anywhere	20	Medium	C.Rujesh Kumar Pokala Rohith Praveen.G Yokesh.G
Sprint-3	Hardware initialization	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	20	High	C.Rujesh Kumar Pokala Rohith Praveen.G Yokesh.G
Sprint-4	UI/UX Optimization & Debugging	Optimize all the shortcomings and provide better user experience.	20	High	C.Rujesh Kumar Pokala Rohith Praveen.G Yokesh.G

Project Tracker, Velocity & Burndown Chart

Project Tracker :

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	40	6 Days	24 Oct 2022	29 Oct 2022	40	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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).

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

Burndown Chart: