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

Date	07 November 2022
Team ID	PNT2022TMID08719
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

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.	1	LOW	KIRUTHIKA P SIVANI S K SHANMUGA LAKSHMI M HARI KRISHNA
Sprint-1	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location.	1	MEDIUM	KIRUTHIKA P SIVANI S K SHANMUGA LAKSHMI M HARI KRISHNA
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	KIRUTHIKA P SIVANI S K SHANMUGA LAKSHMI M HARI KRISHNA
Sprint-3	Hardware initialization	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	2	HIGH	KIRUTHIKA P SIVANI S K SHANMUGA LAKSHMI M HARI KRISHNA

| Sprint-4 | UI / UX Optimization & Debugging | Optimize all the shortcomings and provide better user experience. | 2 | LOW | KIRUTHIKA P SIVANI S K SHANMUGA LAKSHMI M HARI KRISHNA |

Project Tracker, Velocity & Burn down Char

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	29Oct 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:

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

Balance Work