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

Date	13 November 2022
Team ID	PNT2022TMID48694
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	PORKODI S AMIZHTHAA B ASMA ROSHAN T DIVYA DHARSHINI S
Sprint-1	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location.	1	MEDIUM	PORKODI S AMIZHTHAA B ASMA ROSHAN T DIVYA DHARSHINI S
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	PORKODI S AMIZHTHAA B ASMA ROSHAN T DIVYA DHARSHINI S
Sprint-3	Hardware initialization	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	2	HIGH	PORKODI S AMIZHTHAA B ASMA ROSHAN T DIVYA DHARSHINI S

Sprint-4	UI / UX Optimization & Debugging	Optimize all the shortcomings and provide better user experience.	2	LOW	PORKODI S AMIZHTHAA B ASMA ROSHAN T DIVYA DHARSHINI S

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	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022	20	19 Nov 2022

Velocity:

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

Balance Work

Burndown chart with WORK REMAINING on the y-axis (0 to 100) and SPRINT on the x-axis (START, SPRINT 1, SPRINT 2, SPRINT 3, SPRINT 4).