Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID50070
Project Name	Signs with Smart connectivity for Better Road Safety
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Resources Initialization, Local Server/Software Run	USN-1	Create and initialize accounts in various public APIs like Open Weather Map API. Write a python program that outputs results given the inputs like weather and location	20	MEDIUM	S. Gnana Priya
Sprint-2	Push the Server/Software to cloud	USN-2	Push the code from Sprint 1 to cloud so it can be accessed from anywhere.	20	MEDIUM	V. Mahalakshmi
Sprint-3	Hardware Initialization	USN-3	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	20	HIGH	S. Mehar Reeshman
Sprint-4	UI/UX Optimization & Debugging	USN-4	Optimization all the shortcomings and provide better user experience.	20	LOW	M. Maha Lakshmi

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) per iteration unit (story points per day)

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