Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points) Date	25 October2022
Team ID	PNT2022TMID18146
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule and Estimation(4Marks)

Use the below template to create product backlog and sprint scheme **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 OpenWeatherMap API.	1	LOW	Soniya B Karunya Vardana S Kirthika M Sindhuja T
Sprint-1	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location	1	MEDIUM	Soniya B Karunya Vardana S Kirthika M Sindhuja T
Sprint-2	Push the server/software to cloud	Push the code from Sprint1 to cloud so it can be accessed from anywhere	2	MEDIUM	Soniya B Karunya Vardana S Kirthika M Sindhuja T
Sprint-3	Hardware initialization	Integrate the hardware to be able to access the cloud functions and provide inputs to the same	2	HIGH	Soniya B Karunya Vardana S Kirthika M Sindhuja T

Project Tracker, Velocity & Burndown Chart:(4Marks) 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	6Days	24 Oct2022	29 Oct 2022	20	19 Nov 2022
Sprint-2	20	6Days	31 Oct 2022	05 Nov 2022	20	19 Nov 2022
Sprint-3	20	6Days	07 Nov 2022	12 Nov 2022	20	19 Nov 2022
Sprint-4	20	6Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-days print 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: