Project Planning Phase

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

Date	27 October2022
Team ID	PNT2022TMID22491
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	Sundarrajan Tarun sudharson Nibin
Sprint-1	Local Server/Software Run	Write a Python program that outputs results given the inputs like weather and location	1	MEDIUM	Sundarrajan Tarun sudharson Nibin
Sprint-2	Push the server/software to cloud	Push the code from Sprint1 to cloud so it can be accessed from anywhere	2	MEDIUM	Sundarrajan Tarun Sudharson Nibin
Sprint-3	Hardware initialization	Integrate the hardware to be able to access the cloud functions and provide inputs to the same	2	HIGH	Sundarrajan Tarun sudharson Nibin

Sprint-4	UI/UX Optimization & Debugging	Optimize all the short comings and provide better user experience	2	LOW	Sundarrajan Tarun sudharson Nibin

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	24Oct2022	29Oct2022	20	27Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	02Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	09Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	15Nov2022

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: