Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID30265
Project Name	Signs with Smart Connectivity For BetterRoad Safety
Marks	8 Marks

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

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	Intializing the Resources	Create an account in OpenWeather API	1	LOW	V.Iniyavan S.Nivas G.Duraishanmugam M.kalaivanan
Sprint-1	Code in Software is written	Write a python script using the inputs given from OpenWeather API	2	MEDIUM	V.Iniyavan S.Nivas G.Duraishanmugam M.kalaivanan
Sprint-2	Sending the software to cloud	The python code from sprint 1 should be sent to cloud so that it is easily accessible	1	MEDIUM	V.Iniyavan S.Nivas G.Duraishanmugam M.kalaivanan
Sprint-3	Initialising the connection between hardware and cloud	The hardware should be intergrated for the easy access of the cloud functions	2	HIGH	V.Iniyavan S.Nivas G.Duraishanmugam M.kalaivanan
Sprint-4	User input-output optimisation and error identification and rectification	Rectify all the shortcomings/errors and initiate the optimisation for better usage	3	HIGH	V.Iniyavan S.Nivas G.Duraishanmugam M.kalaivanan

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	6days	26 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	6days	1 Nov 2022	6 Nov 2022	20	1 Nov 2022
Sprint-3	20	6days	8 Nov 2022	13 Nov 2022	20	8 Nov 2022
Sprint-4	20	6days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022

Velocity :

The average velocity(AV) per iteration unit (story points per day) can be defined as sprint duration by velocity (points per sprint)

AV= Sprint duration**/**Velocity

Given:
Sprint duration= 6days
Velocity= 20

AV = 20/6
= 3.33

AV = 3.33

Burndown chart: