Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDI3488
Project Name	Project - Signs with smart connectivity for better road safety
Maximum Marks	8 Marks

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

Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Resources Initialization	USN-1	Create and initialize accounts in various public APIs like OpenWeather API.	1	Low	Nithyananthan.N Kishore.S.D Kowsick.K Guna.K.V
Sprint-1	Local Server/Software Run	USN-2	Write a Python program that outputs results given the inputs like weather and location.	1	Medium	Nithyananthan.N Kishore.S.D Kowsick.K Guna.K.V
Sprint-2	Push the server/software to cloud	USN-3	Push the code from Sprint 1 to cloud so it can be accessed from anywhere	2	Medium	Nithyananthan.N Kishore.S.D Kowsick.K Guna.K.V
Sprint-3	Hardware initialization	USN-4	Integrate the hardware to be able to access the cloud functions and provide inputs to the same.	2	High	Nithyananthan.N Kishore.S.D Kowsick.K Guna.K.V
Sprint-4	UI/UX Optimization	USN-5	Optimize all the shortcomings and provide	2	Medium	Nithyananthan.N

Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
	& Debugging		better user experience.			Kishore.S.D Kowsick.K Guna.K.V

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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	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 = 6 / 20 = 0.3

AV = 0.3

Burndown Chart :