

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID22305
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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Initializing the Resources	USN-1	Create an account in OpenWeather API	2	High	Dayanidhi S Hemanth Kumar R Kishore K S Saravanan S
Sprint-1	Code in Software is written	USN-2	Write a python script using the inputs given from OpenWeather API	1	High	Dayanidhi S Hemanth Kumar R Kishore K S Saravanan S
Sprint-2	Sending the software to cloud	USN-3	The python code from sprint 1 should be sent to cloud so that it is easily accessible	2	Low	Hemanth Kumar R Dayanidhi S Kishore K S Saravanan S
Sprint-3	Initialising the connection between hardware and cloud	USN-4	The hardware should be inter-grated for the easy access of the cloud functions	2	Medium	Dayanidhi S Saravanan S Hamanth Kumar R Kishore K S
Sprint-4	User input-output	USN-5	Rectify all the shortcomings/errors and initiate	1	High	Dayanidhi S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	optimisation and error identification and rectification		the optimisation for better usage			Hamanth Kumar R Kishore K S Saravanan S

Project Tracker, Velocity & Burn down 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	02 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	09 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

Burn-down Chart:

