Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID31677
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 (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Initialization and monitoring	USN-1	Initialize and create accounts in API and I log into the profile and start monitoring the weather updates	1	Low	Rohindh Kishore Gowtham Niraml Raj Asis Nova
Sprint-1	Software run	USN-2	Get the information about weather from API and run the code that results for the inputs given about the weather and location	1	Medium	Rohindh Kishore Gowtham Niraml Raj Asis Nova
Sprint-2	Sprint to cloud	USN-3	Update if any changes occurs in the status of signboard and move the code from Sprint1 to cloud	2	Medium	Rohindh Kishore Gowtham Niraml Raj Asis Nova
Sprint-3	Initialization of hardware	USN-4	Initialize the hardware to access the functions like to slow down near schools and near hospitals to display no horn	2	High	Rohindh Kishore Gowtham Niraml Raj Asis Nova
Sprint-4	Debugging	USN-5	Debug the code and ensure the accuracy and efficiency to provide better results	2	Low	Rohindh Kishore Gowtham Niraml Raj Asis Nova

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 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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

Burndown Chart: A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.