Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID04391
Project Name	Smart Waste Management System for Metropolitian Cities
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	Registration	USN-1	As a user, I can register for the application by entering my Email, Mobile Number and password.	10	High	Mohamed Roshan M
Sprint-1	Login	USN-2	As a administrator, I'll will control the waste level by monitoring them via real time web site. Once garbage bin was filled ,then co-admin can notify the trash truck with location of Bin with Bin ID using sensor and gps.	20	High	Hari Prasath.P
Sprint-2	DashBoard	USN-3	As a Trash truck Driver,I will follow co admin's Instruction to reach the bin which was filled by locating with alert message given by sensor ,gps to reach in shorter route .	20	Low	Harshit.R
Sprint-3	DashBoard	USN-4	As a Local Garbage Collector ,I will gather all the waste from bin,load it onto a garbage collector truck, and deliver it disposable area for segregating Bio-degradable and Non Bio-degradable wastes for disposable and recycling purposes.	20	Medium	Rohith Vignesh R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Status Track page	USN-5	As a Municipality Officer ,I'll make monitoring the working progress and keep updating to the higher officials without any mistakes.	10	High	Hari Prasath .P

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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

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