Project Planning Phase

Date	1 November 2022
TeamID	PNT2022TMID20668
ProjectName	Smart waste management system
MaximumMarks	8Marks

Product Backlog, Sprint Schedule and Estimation(4Marks)

Use the below template to create product back log and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-1	As a Administrator, I need to give userid and password for ever workers over there in municipality	10	High	Santhosh
Sprint-2	Receive Data From the Sensor	USN-2	As a Co-Admin, I'll control the waste level by transferring the data to the cloud	10	High	Vigneshwaran
Sprint-3	Dashboard	USN-3	Then the data is received, then check for the bins which are filled around the city	20	Low	Madhusuthanan
Sprint-4	Dashboard	USN-4	Once the filling happens, I'll notify trash truck with location of bin with binID	20	Medium	Priyadharshini

Project Tracker,Velocity&BurndownChart:(4Marks)

Sprint	TotalStory Points	Duration	SprintStartDate	SprintEndDate (Planned)	StoryPoints Completed (as onPlannedEndDate)	SprintReleaseDate(Actual)
Sprint-1	20	6Days	1Nov2022	5Oct2022	20	5Oct2022
Sprint-2	20	6Days	6Oct2022	10Nov2022	20	10Nov2022
Sprint-3	20	6Days	11Nov2022	15Nov2022	20	15Nov2022
Sprint-4	20	6Days	16Nov 2022	19Nov2022	20	19Nov2022

Velocity:

Imagine we have a 20-daysprint duration and the velocity of the team is 20 (pointspersprint). Let's calculate the team's averagevelocity(AV) and periterationunit(storypointsperday)

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