Project Planning Phase

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

Date	29 October 2022
Team ID	PNT2022TMID18178
Project Name	Smart waste management system
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	Login	USN-1	As a Administrator, I need to give user id and passcode for ever daily workers under municipality or the private company in charge of collecting the waste.	10	High	Madan Kumar A K Gowtham vignesh M M Akash maran T Giridharan K
Sprint-2	Senosr Module		Creating the basic weight sensor model to find the weight of the bin and transfer Wokwi data.	10	High	Gowtham Vignesh M M Madan Kumar A K
Sprint-3	Model	USN-3	Creating a Node red model to obtain the sensor data and display it in a dashboard.	20	high	Gowtham Vignesh M M Madan Kumar A K Girdharan K Akash Maran T
Sprint-4	Network	USN-4	To create a notification system to the worker using mail which can be done by email node od node red.	20	Medium	Akash Maran T Madan Kumar A K Gowtham Vignesh M M

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	31 Oct 2022	20	29 Oct 2022
Sprint-2	10	6 Days	1 Oct 2022	07 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	14 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	21 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)

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