Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID38943
Project Name	Smart Waste Management for Metropolitan 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	simulation	USN-1	Simulation creation by connecting sensors, Arduino UNO with python code.	20	High	B. Balaji S. Hari haran MK.Mohamed fardeen G. Yogeshwaran
Sprint-2	Web application Login	USN-2	Create a web application for level detection of waste using MIT app inverter. As a user, I can log into the application by entering email & password.	10	Medium	B. Balaji S. Hari haran MK.Mohamed fardeen G. Yogeshwaran
Sprint-2	Login	USN-3	Check the Log in credentials. If credentials are correct then move next page.	10	Low	B. Balaji S. Hari haran MK.Mohamed fardeen G. Yogeshwaran
Sprint-3	Software	USN-4	Create device in the IOT Watson, workflow for IOT scenarios using local node red.	20	High	B. Balaji S. Hari haran MK.Mohamed fardeen G. Yogeshwaran
Sprint-4	dashboard	USN-5	Web UI to make interact with the software. Bin level view in web app and notification received by municipality member, if bin is full.	20	High	B. Balaji S. Hari haran MK.Mohamed fardeen G. Yogeshwaran

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)

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