

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 25 October 2022   |
| Team ID       | PNT2022TMID33002  |
| Project Name  | Project - Smart Waste Management System for Metropolitan Cities |
| 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 | Login                         | USN-1             | As an Administrator, I will provide login credentials to every municipal users. | 2            | High     | Monalisa G K     |
| Sprint-2 | Login                         | USN-2             | As a Municipal officer,I'll monitor garbage level of the containers.            | 2            | High     | Kruthika D       |
| Sprint-3 | Dashboard                     | USN-3             | As a Truck driver,I'll receive message alert from the municipal.                | 2            | High     | Hariny A         |
| Sprint-4 | Dashboard                     | USN-4             | As a Municipal officer,I'll receive notification after removal of garbage.      | 1            | Medium   | Bavanandhini G 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:**

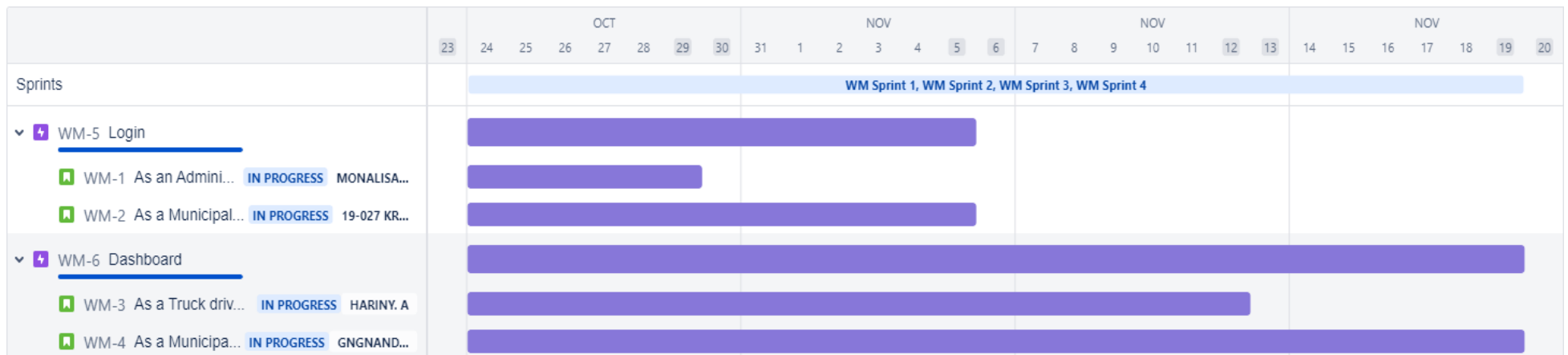
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

## 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.

## Smart Waste Management System for Metropolitan Cities



## JIRA SOFTWARE Team ID:

<https://kruthikaoptimist.atlassian.net/jira/software/projects/WM/boards/1/roadmap?shared=&atlOrigin=eyJpIjoiZjhYjRiZW5NjQ2NDg1O WJkN2NiMDYxMjVmNzExMzYiLCJwIjoiaj9>