Project Planning Phase

**Project Planning ( Sprint delivery Plan)**

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID43251 |
| Project Name | Project – Smart Waste Management System for Metropolitan Cities |
| Maximum Marks | 8 Marks |

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Login | USN-1 | As an Administrator, I can have total access to  all the Co-Admin and Truck driver and monitor the waste. | 20 | High | Karkuvel Devi . J |
| Sprint-2 | Login In | USN-2 | As a Co-Admin, I’ll control the waste level by monitoring them via IBM Iot. Once the filling happens, I’ll notify trash truck with location of  bin with bin ID. | 20 | High | Kirantara . B |
| Sprint-3 | Dashboard | USN-3 | As a Co-Admin, I will set the Notification  process and other management are done. | 20 | High | Geetanjali Ray |
| Sprint-4 | Dashboard | USN-4 | As a Truck Driver, I can able to see the filled  dustbin in my Dashboard and empty them. | 10 | Medium | Pradeep . V |
| Sprint-4 | Dashboard | USN-5 | As a Municipality officer I can view all the  process is proceeding without any problems. | 10 | High | Pradeep . V |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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

