IOT – SMART WASTE MANAGEMENT SYSTEM

Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID11549 |
| 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 Administrator, I need to give user id and passcode for ever workers over there in municipality | 10 | High | Bhuvanesh |
| Sprint-1 | Login | USN-2 | As Co-Admin, I’ll control the waste level by monitoring them real time web portal. I’ll notify trash truck with location of bin with bin ID | 10 | High | Yogesh kumar |
| Sprint-2 | Dashboard | USN-3 | As Truck Driver, I’ll follow Admin’s Instruction to reach the filling bin in short roots  and save time | 20 | Low | Ramesh |
| Sprint-3 | Dashboard | USN-4 | As a Local Garbage Collector, I’II gather all the waste from the garbage, load it onto a garbage  truck, and deliver it to Landfills | 20 | Medium | Vishnu Prakash |
| Sprint-4 | Dashboard | USN-5 | As a Municipality officer, I'll make sure  everything is proceeding as planned and without any problems | 20 | High | Bhuvanesh |

# 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)

