**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories,**

**Story points)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User**  **Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Login | USN-1 | 1.As a Administrator, I need to give user id and passcode for ever workers over there in municipality.  2.As a Co-Admin, I’ll control the waste level by monitoring them vai real time web portal. Once the filling happens, I’ll notify trash truck with location of bin with bin ID | 20 | HIGH | Agishma Sini C  Pradhisha P  Teena S  Nivetha Sarojini R |
| Sprint-2 | Dashboard | USN-2 | As a Truck Driver, I’ll follow Co-Admin’s  Instruction to reach the filling bin in short roots and save time | 20 | LOW | Agishma Sini C  Pradhisha P  Nivetha Sarojini R Teena S |
| Sprint-3 | Dashboard | USN-3 | 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 | Agishma Sini C  Pradhisha P  Teena S  Nivetha Sarojini R |
| Sprint-4 | Dashboard | USN-4 | As a Municipality officer, I'll make sure everything is proceeding as planned and without any problems | 20 | HIGH | Agishma Sini C  Pradhisha P  Teena  Nivetha Sarojini R |

|  |  |
| --- | --- |
| Date | 16 Nov 2022 |
| Team id | PNT2022TMID34757 |
| Project Name | Project – smart waste management system and metropolitan cities |
| Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks):**

Use the below template to create product backlog and sprint schedule

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



90

80

70

60

50

40



Series

1

Series

2



30

20

10



day

1

day 2

day

3

day

4

day

5

day

6

day

7

day

8

day

9

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 2022 | 29 Oct 2022 | 20 | 29 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 01 Nov 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 | 13 Nov 2022 | 16 Nov 2022 | 20 | 16 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=SPRINT DURATION/ VELOCITY=20/10=2**

**Burndown Chart:**