Project Planning Phase

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID19493 |
| Project Name | Project - **Smart Waste Management System For Metropolitan Cities** |

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

Use the below template to create product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requireme nt(Epic)** | **User Story Numbe**  **r** | **User Story / Task** | **Story Point s** | **Priority** | **Team Member s** |
| Sprint-1 | Login | USN-1 | As a Administrator, I need to giveuser id and passcode for every  workers over there in  municipality | 10 | High | Nandha kumar P |
| Sprint-1 |  | USN-2 | As a Co-Admin, I’ll control the waste level by monitoring them viareal time web portal. Once the filling happens, I’ll notify trash truckwith location of bin  with bin ID | 10 | High | Naveen kumar.S |
| Sprint-2 | Dashboard | USN-3 | As a Truck Driver, I’ll follow  Co-Admin’s Instruction to  reachthe filling bin in short roots and save time | 20 | Low | Naveen kumar.K |
| Sprint-3 |  | USN-4 | As a User, I can monitor Real time cloud different aspects of bins | 5 | High | Nandha kumar P |
| Sprint-4 |  | USN-5 | As a Administrator, I can analyse data and user interface. Optimized route for waste collection. | 10 | Medium | Naveen kumar S |
|  |  | USN-6 | As a Local Garbage Collector, I’II  gather all the waste from the garbage, load it onto a  garbagetruck, and deliver it to Landfills | 20 | Medium | Nitheshwar AM |
| Sprint-1 |  | USN-7 | As a Municipality officer, I'll make sure everything is proceeding as planned and  without any problems | 20 | High | Nandha kumar P |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-3 | Building of Smart Bins | USN-8 | Creation of model and smart dustbin. | 10 | High | Naveen kumar K |
| Sprint-2 | Testing | USN-9 | Testing the performance of model dustbin | 5 | Low | Nitheshwar AM |
| Sprint-3 | Verification | USN-10 | Administrator can completely verify the management system | 20 | Medium | Nandha kumar P |
| Sprint-2 | Approval | USN-11 | After completed, new updated smart system is provided to the customers | 10 | Low | Naveen kumar S |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint StartDate** | **Sprint End Date(Planned)** | **Story Points Completed (ason Planned End**  **Date)** | **Sprint ReleaseDate (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:**

The team’s average velocity (AV) per iteration unit (Story points per day)



