Project Planning Phase

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

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| --- | --- |
| Date | 29 October 2022 |
| Team ID | PNT2022TMID18178 |
| 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 a Administrator, I need to give user id and passcode for ever daily workers under municipality or the private company in charge of collecting the waste. | 10 | High | Madan Kumar A K  Gowtham vignesh M M  Akash maran T  Giridharan K |
|  |  | USN-2 | Collecting a survey of dustbins and find the exact level of the bin to collect the trash bins from local areas under the municipalities. | 10 | Medium | Akash maran T  GiridharanK |
| Sprint-2 | Login |  | Creating the basic weight sensor model to find the weight of the bin . | 10 | High | Gowtham Vignesh M M  Madan Kumar A K |
| Sprint-3 | Model | USN-3 | Creating a model to find the weight and integrate it with GPS module to local the bin for easy access of the location of the bins . | 20 | high | Gowtham Vignesh M M  Madan Kumar A K  Girdharan K  Akash Maran T |
| Sprint-4 | Network | USN-4 | To create a network of the bins using Lo-RaWan | 20 | Medium | Akash Maran T  Madan Kumar A K  Gowtham Vignesh M M |
| Sprint-5 | Web UI | USN-5 | Creating of the web UI for the workers who are incharge of collecting the trash bins when full. | 20 | High | Madan Kumar A K  Gowtham Vignesh M M |

# 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 | 31 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 10 | 6 Days | 1 Oct 2022 | 07 Nov 2022 | 10 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 08 Nov 2022 | 14 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 15 Nov 2022 | 21 Nov 2022 | 20 | 19 Nov 2022 |
| Sprint -5 | 20 | 6 Days | 22 Nov 2022 | 28 Nov 2022 | 20 | 25 Nov 2022 |
|  |  |  |  |  |  |  |
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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)

