# Project Planning Phase

## Sprint Delivery Plan

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|---|---|
| Date | 07 November 2022 |
| Team ID | PNT2022TMID51674 |
| Project Name | Smart waste management system for meteropolitian cities |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Sivajith S G<br>Priyanka B<br>Jewel Anil<br>Bijo Jacob |
| Sprint-1 | | USN-2 | As a user, I can register for the application through gmail,linkedin | 1 | High | Sivajith S G<br>Priyanka B<br>Jewel Anil<br>Bijo Jacob |
| Sprint-2 | Login | USN-2 | As a user,I can login by using valid user name and password. | 2 | High | Sivajith S G<br>Priyanka B<br>Jewel Anil<br>Bijo Jacob |
| Sprint-3 | Dashboard | USN-3 | As a user,I can view the garbage storage level. | 2 | Medium | Sivajith S G<br>Priyanka B<br>Jewel Anil<br>Bijo Jacob |

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|---|---|---|---|---|---|---|
| Sprint-4 | Blynk-App | USN-4 | Blynk Server is responsible for all the communicatio ns between the smartphone and hardware. | 2 | High | Sivajith S G<br>Priyanka B<br>Jewel Anil<br>Bijo Jacob |

**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 | 3 Days | 8 Nov 2022 | 10 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-2 | 20 | 3 Days | 11 Nov 2022 | 13 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-3 | 20 | 3 Days | 14 Nov 2022 | 16 Nov 2022 | 20 | 16 Nov 2022 |
| Sprint-4 | 20 | 3 Days | 17 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$