**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID40771 |
| Project Name | Traffictelligence |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

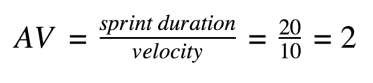
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Traffic Volume Prediction  Error Handling  Navigation | USN-1  USN-2  USN-3 | As a commuter, I can input weather and time data to get traffic predictions. | 3 | High | Members 1,2 |
| Sprint-1 | Traffic Volume  Prediction  Maintenance  UI Enhancement | USN-4  USN-5 | As a manager, I can view traffic predictions for planning. | 2 | High | Members 3,4 |

**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 | 6 | 5 Days | 21 Jun 2026 | 26 Jun 2026 | 6 | 26 Jun 2026 |
| Sprint-2 | 9 | 5 Days | 21 Jun 2026 | 26 Jun 2026 | 9 | 26 Jun 2026 |
| Sprint-3 | 0 | 5 Days | 21 Jun 2026 | 26 Jun 2026 | 0 | 26 Jun 2026 |

**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)



* **Sprint-1: 6 points / 5 days = 1.2 points/day**
* **Sprint-2: 9 points / 5 days = 1.8 points/day**
* **Average Velocity: (1.2 + 1.8) / 2 = 1.5 points/day**