1. **Project Details**

|  |  |
| --- | --- |
| **Field** | **Details** |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID35292 |
| Project Name | Traffic Telligence: Advanced Traffic Volume Estimation using ML |
| Maximum Marks | 5 Marks |

1. **Product Backlog and Sprint Planning**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Epic** | **User Story #** | **Task** | **Points** | **Priority** | **Team Mem** |
| Sprint-1 | Data Collection | USN-1 | Collect traffic data | 2 | High | Nikhil |
| Sprint-1 | Data Loading | USN-2 | Load data | 1 | High | Naseer |
| Sprint-1 | Preprocessing | USN-3 | Handle missing values | 3 | Medium | Nikitha |
| Sprint-1 | Preprocessing | USN-4 | Handle categorical values | 2 | Medium | Praveen |
| Sprint-2 | Model Building | USN-5 | Build ML model | 5 | High | Nikhil, Naseer |
| Sprint-2 | Model Evaluation | USN-6 | Evaluate model | 3 | Medium | Nikitha |
| Sprint-2 | Frontend | USN-7 | HTML interface | 3 | High | Praveen |
| Sprint-2 | Deployment | USN-8 | Flask backend | 5 | High | Nikhil, Naseer |

1. **Sprint Summary and Velocity**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Points** | **Duration** | **Start Date** | **End Date** | **Completed** | **Release Date** |
| Sprint-1 | 8 | 6 Days | 17 Jun 2025 | 22 Jun 2025 | 8 | 22 Jun 2025 |
| Sprint-2 | 16 | 6 Days | 24 Jun 2025 | 29 Jun 2025 | 16 | 29 Jun 2025 |

Velocity:

* + Sprint 1: 8 points / 6 days = 1.33 pts/day
  + Sprint 2: 16 points / 6 days = 2.67 pts/day
  + Average Velocity: 2.0 pts/day

1. **Burndown Chart (Sprint 2)**

