**Project Planning Phase**

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

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| --- | --- |
| Date | 16 July 2025 |
| Team ID | LTVIP2025TMID44001 |
| Project Name | TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning |
| 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 | Data Collection | USN-1 | As a team, we will collect traffic and weather datasets from public sources. | 2 | High | Radharapu Sai Bhavya |
| Sprint-1 | Data Collection | USN-2 | As a team, we will load and explore the datasets for anomalies. | 1 | High | Vijaya Durga Surakasi |
| Sprint-1 | Data Preparation | USN-3 | As a team, we will handle missing values in the dataset. | 3 | Medium | Vijaya Durga Surakasi |
| Sprint-1 | Data Preparation | USN-4 | As a team, we will create relevant feature fields for ML modeling. | 3 | Medium | Radharapu Sai Bhavya |
| Sprint-1 | Data Preparation | USN-5 | As a team, we will remove inconsistencies and normalize values. | 3 | Medium | Shaik Mahabubsubhani |
| Sprint-2 | Data Visualization | USN-6 | As a team, we will create bar chart for monthly traffic trends. | 2 | High | Radharapu Sai Bhavya |
| Sprint-2 | Data Visualization | USN-7 | As a team, we will create pie chart for weather impact on traffic. | 2 | Medium | Radharapu Sai Bhavya |
| Sprint-2 | Data Visualization | USN-8 | As a team, we will create a line chart for volume change over time. | 2 | Medium | Kalisetti Meghana |
| Sprint-2 | Data Visualization | USN-9 | As a team, we will build maps to show geo-spatial patterns. | 4 | Low | Radharapu Sai Bhavya |
| Sprint-2 | Dashboard | USN-10 | As a user, I can interact with a dashboard to explore visual insights. | 5 | High | Shaik Mahabubsubhani |
| Sprint-2 | Story Report | USN-11 | As a team, we will compile a narrative report with visual summaries. | 5 | Medium | Radharapu Sai Bhavya |

**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 | 12 | 2 Days | |  | | --- | |  |  |  | | --- | | 26 June 2025 | | 28 June 2025 | 12 | 28 June 2025 |
| Sprint-2 | 20 | |  | | --- | |  |  |  | | --- | | 1 Days | | 29 June 2025 | 30 June 2025 | 20 | 30 June 2025 |

Average Velocity is 8 story points per day.