**Project Planning Phase**

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

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| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID35493 |
| 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 | User Registration & Login | USN-1 | As a user, I can register by entering name, email, and password. | 2 | High |  |
| Sprint-1 | User Registration & Login | USN-2 | As a user, I receive a confirmation email upon successful registration. | 1 | High |  |
| Sprint-1 | Dashboard Setup | USN-3 | As a user, I can log in using my email and password. | 2 | High |  |
| Sprint-1 | Data Ingestion | USN-4 | As a system, I can collect and preprocess real-time traffic data from cameras/sensors. | 3 | High |  |
| Sprint-2 | Traffic Prediction | USN-5 | As a user, I can view predicted traffic conditions for my selected route. | 3 | High |  |
| Sprint-2 | Route Optimization | USN-6 | As a user, I get suggested optimal routes based on real-time data. | 3 | High |  |
| Sprint-2 | Incident Detection | USN-7 | As a system, I detect incidents like congestion or accidents using video analytics. | 3 | Medium |  |
| Sprint-3 | History View | USN-8 | As a user, I can view traffic history and route performance over time. | 2 | Medium |  |
| Sprint-3 | Admin Monitoring Tools | USN-9 | As an admin, I can monitor system status, data logs, and user activity. | 2 | Medium |  |
| Sprint-3 | Notification System | USN-10 | As a user, I receive alerts for traffic incidents and suggested changes in route. | 2 | Medium |  |
| Sprint-3 | Feedback & Support | USN-11 | As a user, I can submit queries or feedback through a form. | 1 | Low |  |