# Project Planning Phase

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

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| --- | --- |
| Date | 20 July 2025 |
| Team ID | LTVIP2025TMID20285 |
| Project Name | TrafficTelligence – Advanced Traffic Volume Estimation Using Deep Learning |
| Maximum Marks | 5 Marks |

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

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirement (Epic) | User Story No. | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | Dataset Collection & Preprocessing | USN-1 | As a data engineer, I want to collect and clean traffic volume datasets. | 3 | High | Dhanesh, Keerthi, Sai, Swathi |
| Sprint-1 | UI & Flask Setup | USN-2 | As a developer, I want to create a basic Flask app for uploading traffic inputs. | 2 | High | Dhanesh, Keerthi |
| Sprint-2 | Model Training | USN-3 | As a data scientist, I want to train a CNN model on image + metadata inputs. | 5 | High | Sai, Keerthi, Swathi |
| Sprint-2 | Model Evaluation | USN-4 | As a tester, I want to validate model accuracy and generate error analysis. | 2 | Medium | Dhanesh, Swathi |
| Sprint-3 | Frontend Development | USN-5 | As a user, I want to interact with a clean UI for predictions. | 3 | Medium | Dhanesh, Keerthi |
| Sprint-3 | Deployment | USN-6 | As a developer, I want to deploy the model on Flask for demo. | 4 | Medium | Sai, Swathi |

## Project Tracker, Velocity & Burndown Chart (1 Mark)

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| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Total Story Points | Duration | Sprint Start | Sprint End | Completed Points | Release Date |
| Sprint-1 | 5 | 6 Days | 10 July 2025 | 15 July 2025 | 5 | 15 July 2025 |
| Sprint-2 | 7 | 6 Days | 16 July 2025 | 21 July 2025 | 7 | 21 July 2025 |
| Sprint-3 | 7 | 6 Days | 22 July 2025 | 27 July 2025 | 7 | 27 July 2025 |

## Velocity Summary:

• Total Story Points: 19

• Average Velocity: ~6.33/story points per sprint

• Velocity per Day: ~1.05

## Burndown Chart:

Ideal vs Actual Progress (You can recreate this using Excel or Google Sheets)