Project Logic

Agile Sprint Breakdown – TrafficTelligence Project

Key Agile Terminology Used

- **Sprint**: A time-boxed development period where specific tasks are completed.

- **Epic**: A large module (like Data Preprocessing or Model Deployment) that is broken into smaller tasks.

- **Story**: A small, actionable task that contributes to an Epic.

- **Story Point**: A number (usually 1, 2, 3, 5) representing the effort and complexity of a story. Based on Fibonacci estimation.

Sprint Planning Details

Sprint 1 – (5 Days)

Epic: Data Collection & Preprocessing

Story Description	Story Point	Assigned To
Collect dataset	2	Member 1
Load dataset into environment	1	Member 2
Handle missing values	3	Member 3
Encode categorical columns	2	Member 4

Sprint 1 Total Story Points: **8**

Sprint 2 – (5 Days)

Epic: Model Building & Deployment

Story Description	Story Point	Assigned To
Deploy with Flask	5	Member 4
Build and train ML models	5	Member 1
Test and evaluate models	3	Member 2
Create HTML pages	3	Member 3

Sprint 2 Total Story Points: **16**

Summary

Metric	Value
Total Story Points	8 (Sprint 1) + 16 (Sprint 2) = **24**
Number of Sprints	**2**
Velocity	24 ÷ 2 = **12** Story Points/Sprint

Team Velocity: 12 Story Points per Sprint

Team Members Involved (4):

- **Member 1** – Data Collection, Model Building
- **Member 2** – Data Loading, Model Testing
- **Member 3** – Handling Missing Data, HTML UI
- **Member 4** – Encoding, Flask Deployment