

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.
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✚ 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	
Build and train ML models	5	Member 1
Test and evaluate models	3	Member 2
Create HTML pages	3	Member 3

Story Description	Story Point Assigned To	
Deploy with Flask	5	Member 4

✅ **Sprint 2 Total Story Points: 16**

Summary

Metric	Value
Total Story Points	8 (Sprint 1) + 16 (Sprint 2) = 24
Number of Sprints	2
Velocity	$24 \div 2 = \mathbf{12}$ 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