

Planning Logic

Online Payments Fraud Detection Using Machine Learning

A Sprint is a fixed time period in which the team completes a set of tasks. An Epic is a large task that is divided into smaller Stories. A Story represents an individual development activity, and Story Points represent the effort required to complete each story using Fibonacci estimation (1, 2, 3, 5).

Sprint 1 – Data Preparation

Epic	User Story	Task	Story Points
Data Collection	USN1	Gather Transaction Dataset	2
Data Collection	USN2	Load Dataset into System	1
Data Preparation	USN3	Handle Missing Values	3
Data Preparation	USN4	Create Derived Features	3
Data Preparation	USN5	Resolve Data Inconsistencies	3

Total Story Points (Sprint 1) = 12

Sprint 2 – Model Development & Visualization

Epic	User Story	Task	Story Points
Visualization	USN6	Create Fraud Distribution Charts	2
Visualization	USN7	Generate Pie Analysis	2
Visualization	USN8	Trend Line Visualization	2
Model Development	USN9	Train Random Forest Model	4
Deployment	USN10	Develop Prediction Dashboard	5
Deployment	USN11	Generate Fraud Detection Reports	5

Total Story Points (Sprint 2) = 20

Velocity Calculation

Velocity = Total Story Points Completed / Number of Sprints

Total Story Points = 12 + 20 = 32

Number of Sprints = 2

Velocity = 32 / 2 = 16 Story Points per Sprint

This velocity helps estimate future development effort for enhancing the fraud detection system.