Sprint Planning and Velocity – Revolutionizing Liver Care

Agile Concepts

Sprint: A fixed period (e.g., 5 days) where a team works to complete a specific set of tasks.

Epic: A large feature or objective that spans multiple sprints. It is divided into smaller, manageable user stories.

Story: A smaller task or unit of work that is part of an Epic.

Story Point: A unit that represents the effort needed to complete a story (typically using Fibonacci sequence: 1, 2, 3, 5, 8…).

Sprint 1 – (5 Days)

Epic: Data Collection & pre-processing for Liver Health Analysis

User Story	Story Points	Task Difficulty
Collection of Liver Patient Data	2	Easy Task
Loading Data into System	1	Very Easy Task
Handling Missing Values in Dataset	3	Moderate Task
Handling Categorical Data	2	Easy Task

Sprint 2 – (5 Days)

Epic: Model Development & Deployment for Liver Disease Prediction

User Story	Story Points	Task Difficulty
Building Predictive ML Model	5	Difficult Task
Testing Model Accuracy & Metrics	3	Moderate Task
Designing Interactive HTML Dashboard	3	Moderate Task
Deploying with Flask (Web Integration)	5	Difficult Task

Velocity Calculation

Total Story Points: 8 (Sprint 1) + 16 (Sprint 2) = 24

Total Number of Sprints: 2

Velocity = Total Story Points / Number of Sprints = 24 / 2 = 12