# CleanTech — Sprint Planning & Execution Logic

A Sprint is a fixed period in which the team completes defined tasks. The CleanTech project follows an agile process with Epics, Stories, and Story Points.

An Epic is a large component (like Data Pipeline or Model Integration) that is broken into smaller Stories across sprints.

A Story is a unit of work under an Epic that can be estimated and completed in one sprint.

Story Points estimate the effort required using the Fibonacci sequence (1, 2, 3, 5, 8, etc.).

Story Effort Levels:

* - Very Easy task
* - Easy task
* - Moderate task
* - Difficult task

## Sprint 1: (5 Days)

Epic: Dataset Preparation

• Collect Dataset (from Kaggle): 2 SP

• Load Dataset: 1 SP

Epic: Preprocessing

• Handle Missing Values: 3 SP

• Organize Folders by Class: 2 SP

Total Story Points: 8

## Sprint 2: (5 Days)

Epic: Model Development

• Build VGG16 Transfer Learning Model: 5 SP

• Test on Sample Images: 3 SP

Epic: Deployment

• HTML Upload Page: 3 SP

• Flask Integration with VGG16: 5 SP

Total Story Points: 16

## Velocity Calculation

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

Number of Sprints = 2

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

✅ Team Velocity: 12 Story Points per Sprint