

Agile Terminology:

- **Sprint:** A fixed duration to complete a set of tasks.
- **Epic:** A large feature or goal split into smaller, manageable tasks.
- **Story:** A smaller, specific task within an Epic.
- **Story Point:** Effort estimation using the Fibonacci scale (1, 2, 3, 5, 8...).

Sprint 1: (5 Days)

Objective: Set up foundational architecture and data pipelines

Epic: LMS Data Integration & User Module Setup

- LMS Data Extraction – 2
- User Profile Creation – 1

Epic: Data Preprocessing for Personalization

- Cleaning Student Interaction Logs – 3
- Encoding Course Feedback Data – 2

Total Story Points: 8

Sprint 2: (5 Days)

Objective: Build AI Models and Deploy Core Modules

Epic: AI Model for Personalized Recommendations

- Build Generative AI Model – 5
- Train/Test Personalized Learning Model – 3

Epic: Integration & Deployment

- Develop Flask-based UI – 3
- Deploy LMS Plugin & AI Backend – 5

Total Story Points: 16

Summary

- **Sprint 1 Total:** 8 Story Points
- **Sprint 2 Total:** 16 Story Points
- **Total Story Points:** 24
- **Number of Sprints:** 2
- **Velocity** = $24 / 2 = 12$ **Story Points per Sprint**