**Key Agile Concepts**

**Sprint**: A fixed duration (here, 5 days) in which a team completes a set of tasks.

**Epic**: A large task or feature, broken down into smaller parts (stories) spread across sprints.

**Story**: A smaller task that contributes to completing an Epic.

**Story Point**: A unit to estimate effort (commonly in Fibonacci sequence: 1, 2, 3, 5...).

**1.** Very Easy task

**2.** Easy task

**3**. Moderate task

**5.** Difficult task

Sprint Breakdown for Flight Booking Project

**Sprint 1: Data Preparation (5 Days)**

Epic: Data Collection and Preprocessing

Collection of Data – 2 SP

Loading Data – 1 SP

Handling Missing Values – 3 SP

Handling Categorical Values – 2 SP

Total Story Points: 8

**Sprint 2: Model & Deployment (5 Days)**

Epic: Model Building and Deployment

Model Building – 5 SP

Testing Model – 3 SP

Working HTML Pages – 3 SP

Flask Deployment – 5 SP

Total Story Points: 16

Velocity Calculation

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

Number of Sprints: 2

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

Your Team’s Velocity = 12 Story Points per Sprint

**Conclusion**

The Flight Booking project follows Scrum practices effectively, with tasks broken into Epics, Stories, and assigned proper effort estimates via Story Points. The team's average velocity is 12 story points per sprint, which will help you plan future sprints more accurately, predict completion timelines, and maintain a sustainable pace.

Let me know if you'd like help with planning the next sprint or creating a visual sprint board (Kanban or Burndown Chart).