





Sprint

Sprint 1: (5 Days)

Epic: Data Preparation

Tasks:

-  Collection of Data – 2 SP
-  Loading Data – 1 SP
-  Handling Missing Values – 3 SP
-  Handling Categorical Values – 2 SP





Total Story Points for Sprint 1

$$= 2 + 1 + 3 + 2 = 8 \text{ SP}$$

Sprint 2: (5 Days)

Epic: Model Building & Deployment

Tasks:

-  Model Building – 5 SP
-  Testing Model – 3 SP
-  Working HTML Pages – 3 SP
-  Flask Deployment – 5 SP

Total Story Points for Sprint 2

$$= 5 + 3 + 3 + 5 = 16 \text{ SP}$$

Sprint 3: (5 Days)

Epic: User Authentication & Flight Search

User Authentication

- 📌 **User Registration Form (HTML + Flask route) – 2 SP**
- 📌 **Login Functionality (Backend) – 3 SP**
- 📌 **Password Encryption & Session Management – 3 SP**

✅ **Flight Search**

- 📌 **Design Search Form UI – 2 SP**
- 📌 **Implement Search Logic in Backend – 3 SP**

✅ **Total Story Points for Sprint 3**

$2+3+3+2+3=13$ Story Points
 $2 + 3 + 3 + 2 + 3 = 13$ \text{ Story Points}
 $2+3+3+2+3=13$ Story Points

🧩 **Formula:**

$\text{Total Story Points} = \text{Sprint 1} + \text{Sprint 2} + \text{Sprint 3}$
 $\text{Total Story Points} = 8 + 16 + 13 = 37$ Story Points
 $\boxed{37}$ \text{ Story Points}

🧩 **Total Story Points Across 3 Sprints**

$\text{Total SP} = 8 + 16 + 13 = 37$ Story Points
 $\boxed{37}$ \text{ Story Points}

⚡ **Velocity**

$\text{Velocity} = \frac{37}{3} \approx 12.33$ SP per Sprint
 $\boxed{12.33}$ \text{ SP per Sprint}