

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

This sprint focused on **collecting and preparing the dataset** for model development. Tasks included:

### ◇ **Data Collection**

- **Collection of Data – *Story Point: 2***
- **Loading Data – *Story Point: 1***

### ◇ **Data Preprocessing**

- **Handling Missing Values – *Story Point: 3***
- **Handling Categorical Values – *Story Point: 2***

 **Total Story Points in Sprint 1 = 8**

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

This sprint focused on building the model and deploying it using Flask.

### ◇ **Model Building**

- **Model Building – *Story Point: 5***
- **Testing Model – *Story Point: 3***

### ◇ **Deployment**





- **Working HTML Pages – *Story Point: 3***
- **Flask Deployment – *Story Point: 5***

 **Total Story Points in Sprint 2 = 16**

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## Understanding Story Points

We estimated effort using Story Points, inspired by the Fibonacci series (1, 2, 3, 5, 8...). Story Points reflect:

-  *Very Easy* – 1 point
  -  *Easy* – 2 points
  -  *Moderate* – 3 to 5 points
  -  *Difficult* – 8+ points
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## Team Velocity

Velocity indicates how many story points the team completes per sprint.

-  Total Story Points = 8 (Sprint 1) + 16 (Sprint 2) = 24
-  Number of Sprints = 2
-  Velocity =  $24 / 2 = 12$  Story Points per Sprint