

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




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