

Sprint Definition

- A **Sprint** is a fixed period in which the team completes a set of tasks.
- An **Epic** is a large task split into smaller **Stories** across multiple sprints.
- A **Story Point** reflects the effort required for a task, usually in the Fibonacci series:
 - 1 = Very Easy
 - 2 = Easy
 - 3 = Moderate
 - 5 = Difficult

Sprint 1 (5 Days)

Data Collection & Preprocessing

- Dataset Research & Download → 2
- Dataset Labeling → 1
- Handling Missing Values → 3
- Handling Image Format Issues → 2
- Data Augmentation (rotation, flip, etc.) → 2

Total Story Points: 10

Sprint 2 (5 Days)

Model Building & Evaluation

- Model Initialization (VGG16 + Custom Layers) → 5
- Training the Model → 3
- Validation & Accuracy Analysis → 2

Total Story Points: 10

Sprint 3 (5 Days)

Web App Integration

- Creating Flask App & Routing → 3
- Prediction Pipeline (Image upload → model → result) → 3
- Saving Uploaded Images → 1
- Result Page + Template Rendering → 2

Total Story Points: 9

Sprint 4 (5 Days)

UI/UX Design & Final Deployment

- Designing Home, Input & About Pages (HTML + CSS) → 3
- Butterfly Background Animation → 2
- Responsive Layout + Glassmorphism → 2
- Final Deployment (localhost/test mode) → 2

Total Story Points: 9

Summary

Sprint	Total Story Points
1	10
2	10
3	9
4	9

- **Total Story Points = 38**
- **Number of Sprints = 4**
- **Velocity = $38 / 4 = 9.5$ story points per sprint**