**A Sprint** fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task . It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete.

(usually in form of Fibonacci series)

1. Very Easy task
2. Easy task
3. Moderate task

**5-** Difficult task

This document outlines the Sprint-wise planning, epics, stories, and effort estimation for the

Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management.

**Sprint 1 (5 Days) – Data Preparation Phase**

**Story**

|  |  |
| --- | --- |
| **Task Description**  **Points**  Gathering datasets related to poultry diseases (symptoms,  Data Collection 2 | |
| environmental factors, etc.) |  |
| Loading Data Loading datasets into your development environment  Handling Missing | 1 |
| Cleaning data by managing null/missing entries  Values  Handling Categorical | 3 |
| Encoding disease categories, symptom types, etc.  Values   Total = 8 Story Points  **Sprint 2 (5 Days)**  **Task Description** | 2 **Story** |

**Points**

Applying Transfer Learning (e.g., ResNet, MobileNet) to build

Model Building 5 the disease classifier

Testing Model Validating accuracy, confusion matrix, etc. 3

**Story**

**Task Description**

**Points**

Working HTML Creating a front-end interface for farmers/students to input

3

Pages data

Flask Deployment Connecting the model with the web app using Flask 5

 Total = 16 Story Points

**Velocity Calculation**

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

Sprints = 2

Velocity = 24 / 2 = 12 Story Points per Sprint.

**Your team’s velocity is 12 Story Points per Sprint.**