📆 Sprint 1: (5 Days) – Data Preparation for Health Diagnosis

Epic Story Description Story Points

Data Collection for Poultry Disease Detection Collection of Data Gathering image datasets of healthy and diseased poultry for training the classification model 2

Loading Data Loading and organizing the collected data into the working environment for preprocessing 1

Data Preprocessing Handling Missing Values Managing incomplete image labels or missing metadata which may affect model training 3

Handling Categorical Values Encoding disease labels for classification (e.g., Coccidiosis, NDV, etc.) 2

🟦 Total Story Points – Sprint 1: 8

📆 Sprint 2: (5 Days) – Model Development and Deployment for Health Management

Epic Story Description Story Points

Model Development for Poultry Disease Classification Model Building Building and training the transfer learning model for accurate disease detection 5

Testing Model Evaluating accuracy, precision, recall, and confusion matrix to ensure reliable diagnosis 3

System Deployment for Health Monitoring Working HTML Pages Designing user-friendly pages for uploading poultry images and viewing health reports 3

Flask Deployment Integrating the ML model into a live web app for real-time poultry health diagnostics 5

🟩 Total Story Points – Sprint 2: 16

📊 Velocity Calculation (Health Management Context)

Metric Value

Total Story Points Sprint 1: 8 + Sprint 2: 16 = 24

Number of Sprints 2

Team Velocity Total Story Points / Sprints = 24 / 2 = 12

✅ Your team’s velocity is 12 story points per sprint, meaning your team can reliably deliver 12 points worth of health-focused ML development tasks every sprint.

🩺 Health Management Value:

Faster disease detection through AI = Quicker treatment, less mortality

Efficient deployment = Field usability for farmers/vets

Data processing pipelines = More accurate long-term diagnostics

Would you like this formatted as a visual Agile Board, Excel sheet, or PowerPoint for presentation or reporting?