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 ML-based Rice type classification system.

Sprint 1: (5 Days) – Data Preparation

Task	Story Point	Description
Collect Rice Grain Images	2	Gather datasets containing labeled rice grain images
Data Cleaning & Labeling	3	Filter poor-quality images and ensure labels are correct
Image Preprocessing	2	Resize, normalize images for MobileNetv4 compatibility
Data Splitting	1	Split dataset into training, validation, and test sets

➔ Total = 8 Story Points

Sprint 2: (5 Days) – Model & Deployment

Task	Story Point	Description
Model Building	5	Implement and fine-tune MobileNetv4 using transfer learning
Model Testing	3	Use accuracy, confusion matrix, F1 score
Create HTML Page (optional UI)	3	Build a simple web UI for users to upload rice images and view results
Deploy with Flask	5	Deploy the full application using Flask/Streamlit on a cloud platform

➔ 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.