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

Sprint 1 (5 Days) – Data Collection & Preprocessing

Epic	Story	Story point
Data Collection	Collection of images (fresh & rotten)	2
	Loading image dataset into environment	1
Data Preprocessing	Resize and normalize images	2
	Split into training and test sets	1
	Data augmentation (flip, rotate, etc.)	2
	Label encoding for classification	2

Total Story Points – Sprint 1: 10

Sprint 2 (5 Days) – Model Training & Evaluation

Epic	Story	Story Points
Model Building	Load VGG16 pre-trained model	2
	Modify final layers for classification	2
	Train model on fruit/vegetable dataset	3
Epic	**Story**	**Story Points**
	Save trained model for reuse	1
Model Evaluation	Test model on unseen data	2

	Generate accuracy, precision, recall	2

Total Story Points – Sprint 2: 12

Sprint 3 (5 Days) – Deployment & Application Interface

Epic	Story	Story Points
Frontend Interface	Create simple HTML page for image upload	2
	Display prediction results	2
Backend Integration	Develop Flask backend	3
	Connect frontend to backend	2
Deployment	Deploy on local server	2
	Setup and test final application	2

Total Story Points – Sprint 3: 13

Total Story Points

- Sprint 1 = 10
- Sprint 2 = 12
- Sprint 3 = 13

Velocity = Total Story Points Completed / Number of Sprints

- Total Story Points = 10 + 12 + 13 = **35**
- Number of Sprints = **3**

Velocity = 35 / 3 = 11.67 ≈ 12 (Story Points per Sprint)