Project Planning Logic

Agile Terminology

Sprint – A fixed period during which a team works to complete a set of tasks.

Epic – A large task or project that is too big to complete in one sprint. It is broken into smaller tasks (stories).

Story – A small task that is part of an Epic.

Story Point – A unit used to estimate effort required to complete a story (based on Fibonacci scale).

Story Point Scale

1 – Very Easy Task
2 – Normal Task
3 – Moderate Task
5 – Difficult Task

Sprint 1

Epic 1 – Data Collection

- Gathering Data (USN1) – 2

- Loading Data (USN2) – 1

Epic 2 – Data Preparation

- Handling Missing Values (USN3) – 3

- Creating Fields (USN4) – 3

- Handling Inconsistency in Data (USN5) – 3

Total Story Points in Sprint 1

$$2 + 1 + 3 + 3 + 3 = 12$$

Sprint 1 = 12 Story Points

Sprint 2

Epic 3 – Data Visualization

- Bar Chart (USN6) – 2

- Pie Chart (USN7) – 2

- Line Chart (USN8) – 2

- Map (USN9) – 4

Epic 4 – Dashboard

- Developing Dashboard (USN10) – 5

Epic 5 – Story

- Developing Story (USN11) – 5

Total Story Points in Sprint 2

$$2 + 2 + 2 + 4 + 5 + 5 = 20$$

Sprint 2 = 20 Story Points

Total Story Points

Sprint 1 = 12
Sprint 2 = 20

$$Total = 12 + 20 = 32$$

Velocity Calculation

$$Velocity = \frac{Total\ Story\ Points}{Number\ of\ Sprints}$$
$$Velocity = \frac{32}{2}$$
$$Velocity = 16$$

Final Result:

Team Velocity = 16 Story Points per Sprint