Agile Planning Concepts

- **Sprint**: A fixed time period in which a team completes a set of tasks.

- **Epic**: A large task or project that cannot be completed in one sprint. It is divided into smaller tasks called stories.

- **Story**: A small task that is part of an Epic.

- **Story Point**: A number that represents the effort required to complete a story (Fibonacci series: 1, 2, 3, 5).

Story Point Scale:

- 1 – Very Easy task

- 2 – Normal task

- 3 – Moderate task

- 5 – Difficult task

Sprint 1

Epic 1: Data Collection

- USN1 – Gathering Data → 2

- USN2 – Loading Data → 1

Epic 2: Data Preparation

- USN3 – Handling Missing Values → 3

- USN4 – Creating Fields → 3

- USN5 – Handling Inconsistency in Data → 3

Total Story Points in Sprint 1:

2 + 1 + 3 + 3 + 3 = **12**

Sprint 2

Epic 3: Data Visualization

- USN6 – Bar Chart → 2

- USN7 – Pie Chart → 2

- USN8 – Line Chart → 2

- USN9 – Map → 4

Epic 4: Dashboard

- USN10 – Developing Dashboard → 5

Epic 5: Story Development

- USN11 – Developing Story → 5

Total Story Points in Sprint 2:

2 + 2 + 2 + 4 + 5 + 5 = **20**

Total Story Points

- Sprint 1 = 12

- Sprint 2 = 20

Total Story Points = 12 + 20 = **32**

Number of Sprints = 2

Velocity Calculation

Velocity = Total Story Points Completed / Number of Sprints

Velocity = 32 / 2

Velocity = **16 Story Points per Sprint**

Final Result:

Your team's velocity is **16 Story Points per Sprint**.