

Agile Sprint Planning – Wind Turbine Energy Prediction

Sprint 1

Epic 1: Data Collection

- USN1: Gathering Dataset → Story Point: 2
- USN2: Loading Dataset → Story Point: 1

Epic 2: Data Preparation

- USN3: Handling Missing Values → Story Point: 3
- USN4: Creating Fields → Story Point: 3
- USN5: Handling Inconsistency in Data → Story Point: 3

Total Story Points in Sprint 1 = $2 + 1 + 3 + 3 + 3 = 12$

Sprint 2

Epic 3: Data Visualization

- USN6: Bar Chart → Story Point: 2
- USN7: Pie Chart → Story Point: 2
- USN8: Line Chart → Story Point: 2
- USN9: Correlation Heatmap → Story Point: 4

Epic 4: Dashboard Development

- USN10: Building Prediction Dashboard → Story Point: 5

Epic 5: Story/Documentation

- USN11: Writing Project Story/Report → Story Point: 5

Total Story Points in Sprint 2 = $2 + 2 + 2 + 4 + 5 + 5 = 20$

Velocity Calculation

- Sprint 1 = 12 Story Points
- Sprint 2 = 20 Story Points
- Total Story Points = 32
- Number of Sprints = 2

- **Velocity = $32 \div 2 = 16$ Story Points per Sprint**