

# 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 =  $2 + 1 + 3 + 3 + 3 = 12$**

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## 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 =  $2 + 2 + 2 + 4 + 5 + 5 = 20$**

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## 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**