Project Planning Logic

▦ Project Start Date: 20th June 2025

⚒ Agile Framework: 2 Sprints (2 working days each)

- **Sprint 1:** June 20–June 21, 2025

- **Sprint 2:** June 22–July 23, 2025

🚀 Epic 1: Data Preparation and Analysis

Sprint 1: June 20–June 21, 2025

Story	Story Points	Difficulty
Collect sustainability datasets	2	Easy
Load datasets into environment	1	Very Easy
Handle missing values	3	Moderate
Encode categorical values	2	Easy

☑ Total Story Points Sprint 1: 8

⬚ Epic 2: Model Development and Deployment

Sprint 2: June 22–July 23, 2025

Story	Story Points	Difficulty
Build ML model (e.g., RAG, Recycle Manager)	5	Difficult
Test model with scenarios	3	Moderate
Design working HTML UI pages	3	Moderate
Deploy app with FAST API	5	Difficult

☑ Total Story Points Sprint 2: 16

📊 Velocity Calculation

Metric	Value
Sprint 1 Points	8
Sprint 2 Points	16
Total Points	**24**
Number of Sprints	**2**
Velocity	**12 story points/sprint**

📌 Summary

- 🗂 **Epics:**
    - Epic 1: Data Pipeline Setup
    - Epic 2: Model Deployment & UI Integration
- ⏳ **Duration:** 2 Weeks (10 working days)
- ⚙️ **Velocity:** 12 points/sprint (Team capacity baseline)
- ☑️ **Next Planning:** Use this velocity to estimate remaining features (like Image Gen, Problem and Solutions Using RAG, Dashboards) for further sprints.