Sustainable Smart City Assistant Project: Agile Report

⬚ Sprint Duration

• Sprint Duration: 2 Days Each

• Sprint Timeline: 20 June 2025 to 28 June 2025

⬚ Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Recycle Management	USN-1	As a user, I can enter a recyclable item and receive advice on how to dispose or reuse it properly	3	High
Sprint-1	Recycle Management	USN-2	As a user, I can get eco-tips for my neighborhood based on my pin code	2	Medium
Sprint-2	Image Generation	USN-4	As a user, I can input a text prompt to generate a sustainable city image using an AI model	3	High
Sprint-2	Image Generation	USN-5	As a user, I can download	2	Medium

			and share the generated image		
Sprint-3	Problem & Solution (RAG)	USN-6	As a user, I can enter a sustainability issue and get AI-generated solutions with relevant documents	4	High
Sprint-3	Problem & Solution (RAG)	USN-7	As a user, I can get real-time summaries of city issues and resolutions	2	Medium
Sprint-4	City Comparison & Health Dashboard	USN-8	As a user, I can compare two cities based on air quality, traffic, and waste data	4	High
Sprint-4	City Comparison & Health Dashboard	USN-9	As a user, I can access a real-time city health dashboard visualized with charts	3	High

🗓 Sprint Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date

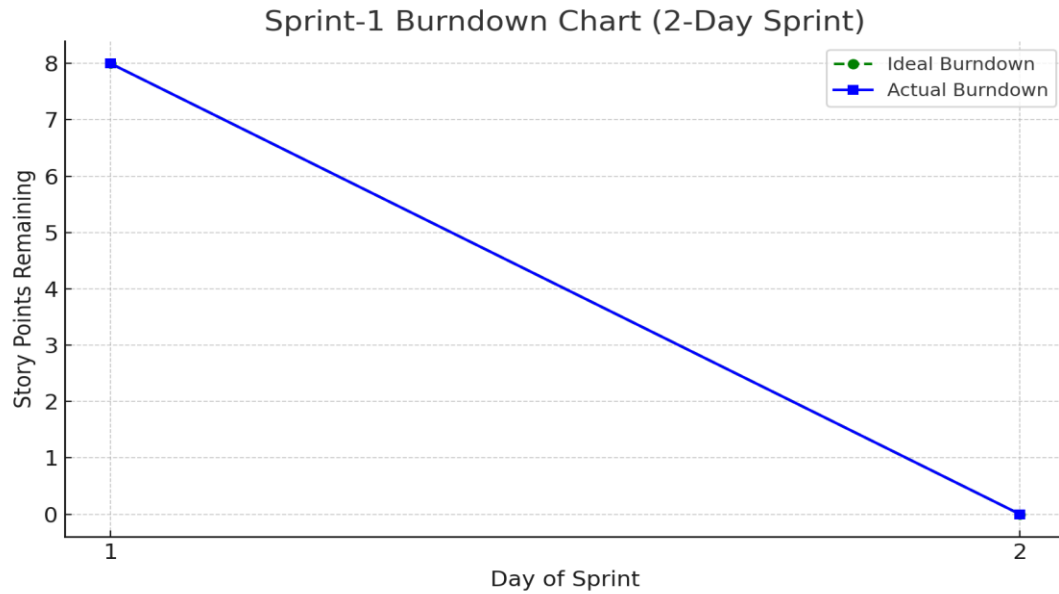|						
Sprint-1	8	2 Days	20 June 2025	21 June 2025	8	21 June 2025
Sprint-2	5	2 Days	22 June 2025	23 June 2025	5	23 June 2025
Sprint-3	6	2 Days	24 June 2025	25 June 2025	6	25 June 2025
Sprint-4	7	2 Days	26 June 2025	27 June 2025	7	27 June 2025

⬜ Velocity

• Sprint Duration: 2 Days Each

• Sprint-1 Velocity: 4 Story Points per Day

⬜ Sprint-1 Burndown Chart

Ideal Burndown vs Actual Burndown (2-Day Sprint):

Day	Ideal Story Points Remaining	Actual Story Points Remaining
1	8	8
2	0	0

Sprint-1 Burndown Chart (2-Day Sprint)

 Summary
• The team successfully completed all planned tasks for Sprint-1 within 2 days.
• Future sprints are scheduled every 2 days, ending by 28 June 2025.
• All five modules of the assistant will be completed across 4 sprints.