

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 February 2025
Team ID	LTVIP2025TMID60699
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	5 Marks

#### Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story No.	User Story / Task	Story Points	Priority
Sprint-1	Dashboard	USN-1	As a user, I can view real-time metrics like AQI, water, energy, and traffic levels.	3	High
Sprint-1		USN-2	As a user, I can switch between city data and themes easily.	2	Medium
Sprint-2	Forecasting	USN-3	As a user, I can view short-term forecasts for AQI, water usage, and traffic.	3	High
Sprint-2		USN-4	Forecasts are displayed in an easy-to-understand format.	2	Medium

<b>Sprint-3</b>	<b>Anomaly Detection</b>	<b>USN-5</b>	<b>As a user, I am notified of abnormal spikes in AQI, energy, or water consumption.</b>	<b>3</b>	<b>High</b>
<b>Sprint-3</b>		<b>USN-6</b>	<b>Anomalies are marked clearly on graphs.</b>	<b>2</b>	<b>Medium</b>
<b>Sprint-4</b>	<b>Chat Assistant</b>	<b>USN-7</b>	<b>As a user, I can ask city-related or eco-friendly questions in a chat interface.</b>	<b>3</b>	<b>Medium</b>
<b>Sprint-4</b>	<b>Summarizer</b>	<b>USN-8</b>	<b>As a user, I receive a weekly summary of my city's environmental health.</b>	<b>2</b>	<b>Medium</b>
<b>Sprint-5</b>	<b>Eco Tips</b>	<b>USN-9</b>	<b>As a user, I get useful eco tips based on my location and city conditions.</b>	<b>2</b>	<b>Medium</b>
<b>Sprint-5</b>	<b>Smart Alerts</b>	<b>USN-10</b>	<b>I only receive important alerts and warnings (not spam).</b>	<b>2</b>	<b>High</b>

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#### Project Tracker, Velocity & Sprint Info

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed</b>	<b>Sprint Release Date</b>
<b>Sprint-1</b>	<b>5</b>	<b>5 days</b>	<b>01 Jul 2025</b>	<b>05 Jul 2025</b>	<b>5</b>	<b>05 Jul 2025</b>
<b>Sprint-2</b>	<b>5</b>	<b>5 days</b>	<b>07 Jul 2025</b>	<b>11 Jul 2025</b>	<b>5</b>	<b>11 Jul 2025</b>
<b>Sprint-3</b>	<b>5</b>	<b>5 days</b>	<b>13 Jul 2025</b>	<b>17 Jul 2025</b>	<b>5</b>	<b>17 Jul 2025</b>

<b>Sprint-4</b>	<b>5</b>	<b>5 days</b>	<b>19 Jul 2025</b>	<b>23 Jul 2025</b>	<b>5</b>	<b>23 Jul 2025</b>
<b>Sprint-5</b>	<b>4</b>	<b>5 days</b>	<b>25 Jul 2025</b>	<b>29 Jul 2025</b>	<b>4</b>	<b>29 Jul 2025</b>

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## Velocity

The team completes around 5 story points per 5-day sprint.

Average Velocity = 5 story points ÷ 5 days = 1 point/day

## Burndown Summary

<b>Sprint</b>	<b>Story Points Remaining</b>
<b>Start</b>	<b>24</b>
<b>Sprint-1</b>	<b>19</b>
<b>Sprint-2</b>	<b>14</b>
<b>Sprint-3</b>	<b>9</b>

<b>Sprint-4</b>	<b>4</b>
<b>Sprint-5</b>	<b>0</b>

**This reflects smooth and consistent progress toward completion.**